# FINANCIAL TIMES

Vinyl countdown

Tarkett covers Europe's floors





Andersen Worldwide

George Shaheen for the top job?

Democrats in the Senate have

agreed on a proposal to pay

off \$819m to the UN over three

years, provided US dues are

reduced and UN accounts

inspection.
While Republican leaders

have softened their demand that payment be stretched

over five yaars, they hava

scored a tactical victory by for-cing the White House to swal-low its objection to the princi-

pla of legally imposed

conditions or "benchmarks".

to

snbjected

But Mr Kofi Annan, the sec-

"encouraged by a development

which the US administration

The international affairs bill

would cover USAID, which dis-

burses foreign assistance, the US Information Agency and the Arms Control and Disar-

mament Agency, all facing

subordination to, or merger

with, tha State Department. Mr Clinton's administration

says the House proposal goes

too far, too fast and thet the

regards as a breakthrough".

THURSDAY JUNE 12 1997

Three formats seek star billing

But the White House, as part

of an unspoken deal that

helped secure the ratification of the Chemical Weapons Con-

vention, has fully accepted the

principle that some agencies

While previous attempts by legislators to foist State

Department reform on the

White House have run into a

presidential veto, congressio-

nal observers say there is a good chance of a formula being agreed this year. Mr

do need to be merged.

Technology, Page 10



cal challenges his foreign pol-

These include the approval

in the next few weeks of

another year's extension in

China's "most favoured nation" trading status - and

the administration's bid for

"fast-track" authority to nego-tiate new trade deals in Latin

America, which has been post-

But despite the spirit of com-

promise in some areas, tha

White House looked certain to

block a raft of amendments to

the international affairs bill,

poned until autumn.

Today's surveys

concerns of ethnic and religious groups. One amendment

clashes between Congress and

the White House - would rein-

state the Reagan administra-

tion's policy of denying family

planning assistance to agen-cies connected, aven indi-

Congressman Douglas

Bereuter, Republican chair-

man of the House Asia sub-committee, said foreign policy was increasingly being driven by ethnic lobbies active in law-

World poverty plan, Page 14

rectly, with abortion.

makers' home districts.

the subject of recurring

FT Auto Aerospace

# Two Nordic stock Clinton pays dearly for foreign policy pact exchanges to

World Business Newspaper http://www.FT.com

The Swedish and Danish stock exchanges will announce plans to merge their dealing systems and create an integrated equities trading market, the first such tie-up among European bourses. The tie-up could mark the first step towards the creation of a pan-Nordic share mar-ket, embracing Oslo and Helsinki. Page 15

merge systems

EU appeals against banana ruling: The European Union appealed against a World Trada Organisation ruling that its banana import regime discriminated against US and Latin American producers. Page 8

UN offers plan to eliminate poverty: A plan to eliminate extreme poverty by early next century is put forward today by the United Nations Development Programme. Page 14; Price of ending world poverty, Page 6; Editorial Comment, Page 13

**Germany accepts EU jobs chapter:** Bonn said it would back an employment chapter in the revised Maastricht treaty, but it would not support costly job creation programmes

Sinn Féin given last chance for ceasefire



un modular

ected ahead

Ru internet

**Mar**o 00470

Tha UK government gava Sinn Féin a final chance to declare a ceasefire, warning that it wanted a constitutional settlement for Northern Ireland greed by next May. Northern Ireland secretary Marjorie Mowlam (left) said multi-party negotiations, which resumed last week.

were in danger of "running into the sands". With despondency on both sides of the sectarian divide ahead of the traditional summer marching season, UK ministers are becoming exasperated at the lack of movement by the IRA and

PacifiCorp bids for Energy Group:
Directors of Energy Group, the Anglo-American energy company recently demerged from Han-son, will meet today to consider a bid from US utility PacifiCorp. Page 15; Lex. Page 14

US tobacco talks stall: Talks in the US tobacco wars appeared to stall amid disagree ments between the industry and anti-tobacco lawyers about how much power the federal government should have to regulate the nicotine content of cigarettes. Page 5

aysia after confirmation that a rights issue to finance it was a fallure, with 63 per cent of the

Doubts grow over Malaysia dam: Doubts

grew over the future of the Bakun dam in Mai

Global phone charges set to tumble: New technology and global competition should speed the fall in international telephone costs, said Pekka Tarjanne, secretary general of the International Telecommunication Union. Page 8

Czech bank negotiates cheap loan: The Czech National Bank has secured a \$1.5bn standby facility at a cheaper rate than any other borrower from eastern Europe, reflecting fierce competition for emerging market loans. Page 15

Turkish army warms islamists; Turkey's armed forces warned the country's Islamic politicians that they were ready to act to protect the republic from religious extremism. Page 2

Euroster stowaways questioned: British police were questioning four stowaways, believed to be Russian, found beneath the floor of a Eurostar train from Paris.

Norwegians seek UK socoer club stake: Two Norwegian businessmen are seeking a stake in Wimbledon football club, near London, in a deal that could transform the finances of the UK Premier League club. Page 15

Sydney Olympics look for light relief: The organisers of the Sydney 2000 Olympics want to put Australia's clocks forward during the Games to provide an extra hour of daylight for competition late in the day.

French turn from wine to water: The French are increasingly spurning wine - even their own - and choosing water, said Inra, France's agricultural research institute. Page 14

FT.com: the FT web site provides online news, comment and analysis at bttp://www.FT.com

E STOCK MARKET INDICES	E GOLD
New York femciations	New York: Cornex Jun\$343.6 (343.)
Europe and Far East CAC40	London: close \$344,95 (same
LTCC 100 A7268 [-14.0]	DOLLAR New York: Unchine £1.8375
Federal FundsS12%	DM1.71525 FFr5.804
3-mth Tress Bills: Yid .4.978% Long Bond 9733 Yield 8.819%	SFr1.43725 Y111.05
III OTHER RATES	London: £1.6371 (1.6392 DM1.7148 (1.718)
UIC 10 yr GAT101 (10033)	Fr1.4365 (1.441 Y111.345 (112.3
Germany: 10 yr Bund101.50 (101.64) Japan: 10 yr JGS104.140 (103.569)	Tokyo close: Y 112.31
E NORTH SEA OIL (Argus)	E STERLING
Brent Detect\$17.04 (16.95)	DM2.8071 (2.814)



Observer -Technology

Ind. Cap Mids.

renew co-operation with the of the \$1.3bn the UN secretar- age" a streamlining process many of them reflecting the Santer looks for EU deal

The payment falls well short House is trying to "micro-man-

Compromise on jobs may help solve setback over stability pact

By Bruce Clark in Washington

The Republican-led US

Congress is extracting a heavy

price from President Bill Clin-

ton's administration for its

co-operation in foreign policy.

The House of Representa-tives was yesterday in the final stages of passing an inter-national affairs bill, obliging

the White House to merge var-ious US agencies that deal with the outside world. In the

Senate, Republicans aim to

impose strict conditions for

agreeing to pay off US arrears to the United Nations and

By Lionel Barber and Neil Buckley in Brussels

Mr Jacques Santer, president of the European Commission, will seek today to secure a deal allowing the new French government to approva the budget stability pact that would underpin European monetary union, in exchange for a renewed EU-wide commitment to growth and job creation. Franca's left-wing govern-

ment yesterday underlined its determination for success at next week's Amsterdam summit, whose centrepiece is a new treaty to prepare the 15member union for enlarge-ment. But it left open details of a deal on the Gerenforce budgetary discipline in the future euro zone.

Mr Dominique Strauss-Kahn the French industry and finance minister, said yesterday: "We are clearly going to find a solution. No one wants to drag things out for the sake of it." But he added: "The question is to know how we can obtain the balance we are

with both Mr Jacques Chirac, the French president, and Mr Lionel Jospin, the Socialist prime minister. He will stress that there can be no renegotiation of the stability pact. which is to be introduced alongside Emu on January 1,

Mr Santer will hold out the prospect of a separate EU political declaration on employment, and growth based on articles 102a and 103 of the



French industry and finance minister Dominique Strans-Kahn after yesterday's weekly cabinet meeting

ments to co-ordinate their economic policies.

In a further sign of possible trouble before Amsterdam. senior EU diplomats in Brussels said there were still serious obstacles to reaching Mr Santer will hold talks agreement in the Maastricht treaty review conference, notably on reforming the Union's institutions and preserving the balance of power between

small and large member states. The difficulties, which have been overshadowed by this week's clash between the government in Paris and the rest of the EU over the stability pact, fuelled reports that a second summit may be necessary to wrap up the treaty.

Maastricht treaty which recog- after Mr Chirac weighed in on where Mr Kohl is under presnises the need for EU govern- behalf of a deal in Amsterdam, the government signalled it was ready to consider a compromise which focused on job

creation and growth. The German government threw its weight behind the compromise, saying it was willing to support an employment chapter in the revised Maastricht treaty. Mr Helmut Kohl, the chancellor, is expected to drive home the message at tomorrow's Franco-German summit in Poitiers.

Both Mr Chirac and Mr Jospin will attend the summit, which should offer important clues about the left-wing and right-wing "cohabitation" in the French government, and the margin for manocuvre of In Paris yesterday, one day the German government,

sure on monetary union. Meanwhile, it emerged that the British government was gration policy into areas of EUwilling to strike a deal on wide responsibility. deeper EU integration in justice, immigration and home affairs policies. Assuming that Britain received a watertight guarantee that it would retain

control over its borders, the

willing to let other countries move asylum, visa and immi-

> Muddy waters, Page 2 Editorial Comment and Observer, Page 13

# **News Corp** abandons its US satellite ambitions

By Christopher Parkes in Los

Mr Rupert Murdoch has abandoned his bid to compete in the fast-growing US satellite television industry and agreed to sell his fledgling ASkyB operation to his avowed enemies in the cable

The surprise retreat marks a setback for his News Corporation media group, which pioneered satellite broadcasting in the UK and has interests in similar projects in Japan and

Latin America. It follows the acrimonious collapse last month of a deal to merge ASkyB into EchoStar which has since prompted a \$5bn breach of contract law-

suit against News Corp. ... In return for its two highpower satellites and a federal Ncence Durch a record \$682m, News Corp will take a non-voting 30 per

cent stake, valued at \$1.1bn, in PrimeStar, the secondbiggest US satellite operator. News Corp said the deal was worth the equivalent of its investment in ASkyB so far plus interest. PrimeStar, a limited part-

nership run by a consortium

Continued on Page 14 Lex, Page 14

# Japan's current account surplus rattles markets

By William Dawkins in Tokyo

span's politically contentious current account surplus almost doubled in the year to might "hurt global April, adding to trade tension fuel protectionism". between Tokyo and Washington before next week's Group of Seven summit.

The current account balance the same month last year to Y1,092bn (\$9.41bn), the finance ministry announced yesterday. The rise was in line with the expectations of many econo-

expressed concern about the This rattled tha foreign

month high of Y110.97 to the dollar in Tokyo. against the dollar since May. recovers from the tax shock. The Nikkei 225 share index

dropped 1.18 per cent yester-day. Mr Lawrence Summers, US deputy treasury secretary, warned that a rising surplus might "hurt global growth and

Mr Hiroshi Mitsuzuka, Japan's finance minister, yesterday warned against exchange rate instability and expanded by 92.7 per cent from said the Japanese authorities

would take appropriate action. Import growth in April was constrained by the drag on private spending created by a rise in Japanese consumption tax mists but US officials on April 1, while exports continued to surge, helped by a relatively weak yen.

Accordingly, several private exchange markets, which sector economists expect the pushed the yen to a seven- surplus to grow less steeply in the next few months, heading for a rise of about 10 per cent The Japanese currency has for the whole of this year, as risen nearly 12 par cent Japanese domestic demand Japanese ministers will now

CONTENTS

their G7 partners at the Den-ver summit that Tokyo is serious about stimulating domesderegulation, Export growth precipitated bitter trada rows in the early 1990s.

"A few harsh words will be spoken in Japan's direction in Denver," said Mr Richard Jerram, chief economist for ING Barings in Tokyo. "Domestic imports have lost competitive ness." In yesterday's data, exports rose by 21.6 per cent, twice as fast as imports' 9.3 per increase in the surplus was partly a freak backlash against an unusual 17 per cent decline in the surplus in March. They

Continued on Page 14 Currencies, Page 23

Led, structured and arranged by 3i plc. Equity underwritten by 3i Group pic.

O THE FINANCIAL TIMES LIMITED 1997 No 33,315

# Germans drop objection to iobs chapter in EU treaty

By Peter Norman in Bonn

The German government said yesterday it would back tions with the new French the inclusion of an employment chapter in the revised Maastricht treaty. However, it would not support costly job creation programmes operated from Brussels.

While signalling that Bonn would no longer reject the employment chapter at next week's European Union summit in Amsterdam, Mr Klaus Kinkel, the foreign minister, made it clear that Germany would move only a small way towards giving employment creation a bigger role in EU affairs.

We all want to create more jobs," he said, referring to the EU's 18m unemployed. "But it can't be done with articles in treaties." Better European co-ordination of national measures was the way forward, he told the Bundestag, the lower house

Mr Kinkel's comments expected Emu from 1999 security policy "out of the marked a determined effort compared with 46 per cent in straitjacket of unanimity". by Germany to smooth relagovarnment. Tha latter caused alarm on Monday when it appeared to question the Bonn-inspired stability pact for ensuring fiscal discipline in Europe's future sin-"As so often, Franco-Ger-

man solidarity will be decisive in the final round of tha conference," Mr Kinkel said. He expressed confidence in France's support for Europe and the stability pact, and its determination to launch the euro on schedule on Jannary 1, 1999 in compliance with the Maastricht treaty A survey by the respected

Allensbach opinion research institute suggested yesterday that more than half the the status of public sector German people now expect the single currency will start

Allensbach reported that majority voting in the EU 54 per cent of respondents and to take EU foreign and Editorial comment, Page 13

November. However, according to the poll, published in the Frankfurter Allgemeine Zeitung newspaper, 48 per cent forecast that the single currency would bring higher inflation. Only 7 per cent expected lower inflation and 85 per cent feared higher unemployment against just 10 per cent who expected the euro to create jobs.

In his speech, Mr Kinkel

cautioned that Germany would not achieve all its goals in Amsterdam. Although "a good conclusion" was in reach, he warned against "too high would be forthcoming for subjects of specific German interest. These included the sought-after guarantee for banks in European law. He underlined Germany's

On the planned reform of the Union's institutions, he said it was "decisive" for Germany to limit the number of **EU** commissioners in future to 20 and to ensure that votes passed with a qualified majority represented about 60 per cent of the EU's popu-Mr Kinkel made it clear

that Germany would press for a qualified majority vote to launch the process of flexible co-operation. This is the with France which will allow groups of countries interested in greater integration expectations" that support to push ahead without being blocked by others. While backing the Dutch

presidency's proposals for a far reaching "communitisation" of law and order policies, Mr Kinkel expressed understanding for UK and Irish demands to maintain their border controls.



Police and firefighters demonstrated in Bonn yesterday against a public sector squeeze planned in order to help Germany qualify for European monetary union

# UK muddies the waters over its 'opt-out'

By Robert Taylor, Employment Editor, in London

The UK government and the European Union headed for a possible confrontation over employment legislation yesterday as it it will mean that no social chapter emerged that Mr Tony Blair, the regulation would come into force British prime minister, wants a in Britain until the run-up to the two-year exemption from mea- next general election in 2002. sures passed under the social chapter after the UK has signed it.

out from the chapter comes to an end, probably in 1999, it should be and unpaid parental leave. "What allowed an exemption of at least the UK wants is to keep its opt-out two years from the two regula- for four more years, and this is

from any further measures passed between now and the expiry of the

If the demand is accepted at next week's EU summit in Amsterdam,

In particular, the UK would be able to wait at least until 2001 Britain says that when its opt- before implementing the two existing measures on works councils

tions already in existence and unacceptable," said a senior EU de facto authority, and at the same the treaty, after the Amsterdam official last night.

The UK government is also demanding full participation rights in all discussions in the social chapter, it accepts it cannot vote on measures that other EU states want to process through the social chapter, but it wants to be active in the debates.

But many in the European Commission and some member states believe Britain may seek to influence the outcome of social chapter discussions in a negative way by trying to block measures it dislikes. "The UK wants to exercise a

time enjoy its continuing social chapter opt-out for the time being," said an EU official.

Mrs Margaret Beckett, the trade and industry secretary, and Mr David Blunkett, the education and employment secretary, have assured Mr Padraig Flynn, the EU'a social affairs commissioner, that the UK government wants to sign the social chapter as soon as legally and technically possible.

The Commission believes it may take up to two years for the full process to be completed as every member state will have to retify

summit, before the UK can be within the social chapter.

Mr Flynn favoured a "fast track" approach through a "mini-treaty" to be signed by the end of the year solely on the UK opt-out issue. But this has been opposed by Italy, France, Belgium, Denmark and the

However, many in the Commis-British attitude to the existing social affairs agenda. "We are baffled about what London really wants. We are getting mixed mes-sages," said ooe official.

# Turkish army piles pressure on Islamists

country's Islamist politicians gious schools. yesterday by warning that

Islamic state had flourished ment of the Islamist Mr Necmettin Erbakan.

Gen Turkeri, chief of intelligence in the general staff, said that the growing subversive movement included about 30 groups "that are likely to engage in terrorist activities". He pointed to a surge of Islamist sects, schools and media across the country as further evidence of an emerging Islamist ing Islamic radicalism.

Mr Erbakan's Islamicbased Welfare party, he brought Mr Erbakan's coalicharged, had encouraged the tion government to breaking movement by its moves to overturn dress codes that ban religious attire in public buildings, by holding a din-ner for religious sect leaders party led by Mrs Tansu at the prime minister's offices, and by the provocative statements of party

Moreover, Welfare MPs favouring political Islam have incited the people against the secular regime and the army". He was referstration in Istanbul in May

FINANCIAL TIMES
Published by The Financial Times (Europe)
GmbH. Nibelungenplatz 3, 60318 Frankfurt am Mann, Germany, Telephone ++49
9 158 820, Fax ++49 69 596 4481. Represented an Frankfurt by J. Water Brand,
Wilbelm J. Brüssel, Colin A. Kempard as
Geschaftsführer and in London by David
C.M. Bell, Chairman, and Alan C. Miller,
Deputy Casiman. The shareholder of the
Francial Times (Europe) GmbH is Pearson Oertseas Holdings Limited, 3 Burlingtion Cardens. London, WIX ILE.
Shrirsholder of this company is Pearson
ple, registered at the same address
GERMANY:

Responsible for Advertising content: Colis.
A. Remand, Printer: Hürniyet International
Verlagsgesellschaft mibH, Admint-Rosenchil- Strene 3a, 67263 Neu Isenburg ISSN
0174 7363. Responsible Editor: Richard
Lambert, c/o The Funncial Times Limited,
Number One Southwark Bridge, London
SEI 9841.

Publishing Director: P. Manavielia. 42 Rue La Boete, 75008 PARIS. Telephone (01) 5376 8254. Fax (01) 5376 8253. Printer: S.A. Nord Eclair. 15/21 Rue de Catre, F-97100 Roubaix Cedes. I. Editor: Richard Lambert. ISSN 1144-2753. Commission Puritaire No 67898D. SWEDEN:

Responsible Publisher: Huch Curaeyy 468 618 6088. Printer: AB Kvällstidningen Expressen. PO Box 6007, S-550 06, Jönköping. O The Financial Times Limited 1997 export of beef from herds Editor: Richard Lambert, do The Fanneigh Times Limited, Number One Southwark Bridge, London SEI 9HL.

By Kelly Coutmier in Ankara attended by more than 100,000 supporters to protest The Turkish armed forces against plans backed by the turned the screws on the military to close some reli-

Saying that the armed they would use force if nec- forces placed "the highest essary to protect the secular priority on fighting religious republic from Islamic subversive activity", Gen Turkeri said the constitution Speaking at general staff obliged them to protect secuheadquarters, Major General larism, one of modern Tur-Fevzi Turkeri claimed that key's founding principles. He subversive activity aimed at also quoted the article in a transforming Turkey into an military regulations book thet calls on the army to under the year-old govern- protect the republic against domestic and foreign threats, by force if neces-

> The briefing to the press one of several planned for different professional groups by the general staff this week, was the latest salvo against Mr Erbakan, who continues to resist implementing a series of military directives aimed at thwart-

> The crisis between the military and the Islamists has point. Pressure from the military and other quarters on the secular partner in the Ciller, has led to a steady stream of defections, leaving the government without a real majority in Parliament.

In an attempt to appease their critics and hold on to power, at least in the short term, the coalition partners said earlier this month that they would push for early elections as soon as possible and that Mrs Ciller would take over as prime minister. But their plan appears shaky, as any call for early



Brbakan at prayer: coalition brought to breaking point over religious issue

swap of the pramiership must be approved by President Suleyman Demirel, who is charged with appointing a new prime minister designate in the event Mr Erbakan resigns.

Amid the political stalemate, the military is assuming an ever more prominent role in domestic and foreign policymaking, rebuffing and overruling Mr Erbakan with increasing frequency.

The prime minister'a statement over the weekend that the month-old Turkish offensive in northern Iraq was nearly over was immediately denied by the general staff. A reported attempt by Welfare to block additional funds requested by the military for the Iraqi offensive was short-lived, when Mr Erbakan issued a statement that the funds would be allocated immediately.

On Tuesday, more than Russia would increasingly 400 judges and prosecutors call on the bank to help fund defied orders from the Welfare justice minister, Mr Sevket Kazan, to stay away by parliament and their arranged for them.

# World Bank waves its chequebook at Russia

By John Thomhill

Russia, approving six ioans iticians and some powerful last week worth a total of industrialists. Despite the fact that even

seemingly innocuous pro- preconditions, such as hit-Russian nationalists, the bank's board said it was prepared to lend as much as \$6bn over the next two years, provided the government stuck to its reform course.

vice-president for Europe and Central Asia, said the bank bad a "tremandous window of opportunity" to accelerate Russia's economic recovery after President Boris Yeltsin's appointment of a radically minded government

aimed at strengthening the a political agenda. budget, speeding up enterprise restructuring, and raising education and bealth standards. Future loans will focus even more closely on encouraging structural changes in the economy.

Last month, Mr Anatoly Chubais, the first deputy prime minister who is spearheading the reform drive, said he expected the World Bank to take over from the International Monatary Fund as the main lending institution to Russia.

The success of the government's stabilisation programme, be said, meant it would not need to extend its support loan, agreed with the IMF in March 1996. But concrete investment projects and structural reforms

The primary aim of the

macroeconomic stabilisation

implementing steps to liber- said

Lending is set to soar, but Mr Johannes Linn, the bank risks being accused of meddling in politics

The bank's latest loans are has been depicted as having Communist politicians fre-

quently rail against the IMF for dropping a "nentron bomb" on Russia's economy, destroying people while preserving property.

Mr Rem Vyakhirev, chairman of the giant Gazprom gas monopoly, also whipped un nationalist sentiments in parliament earlier this year by accusing the IMF of being in league with western multinationals to destroy tha energy industry.

Russian observers suggest that the IMF's sister institution, the World Bank, may also become embroiled in domestic Russian politics by three-year \$10.2bn budget so visibly supporting controversial economic reforms. Yesterday, the Kommer-

sant business newspaper argued that politics remained the concentrated expression of economics - as Marxism-Leninism had elections must be approved from a military briefing IMF, which concentrates on taught - and warned that That rating currently stands providing technical eco- the bank could stray into at 65 per cent.

nomic advice, has been to dangerous waters. By support the government's encouraging tax reform, further privatisation, and The World Bank has drive But in so doing it has restructuring of the gas and launched a big expansion of attracted fierce criticism electricity industries, it its lending programmes in from Russian opposition pol- would cut across powerful vested interests.

These reforms, as they By tying its loans to the are presented by the World government's fulfilment of Bank itself, not only have an economic content but a polit jects can raise the hackles of ting monetary targets and ical purpose," the newspaper

> In outlining their plans in Moscow this week, bank officials stressed their role was to support the government's stated objectives rather than to foist doctrinaire solutions on the country. But they also appeared aware of the sensitivities that their lending programmes could

> Mr Andrei Markov, a bank official who is managing a project to improve the quality and availability of school textbooks, was at pains to stress the impartiality of the bank's involvement in education.

> By de-monopolising the textbook indostry and encouraging the competitive selection of new textbooks. the bank was trying to promote "modern" rather than overtly "capitalist" values, he said.

> Bank officials acknowledge their new strategy involves high operational risks given the difficulties of disbursing and monitoring loans in Russia. The bank suspended the second tranche of an earlier \$500m loan to help restructure the Russian coal industry after it became clear its proposals were not being fully imple-

> But Mr Linn said the bank would improve the implementation of its loans, promising that 80 per cent of its projects must be rated as satisfactory by mid-1997.

EUROPEAN NEWS DIGEST

# Showdown on Russian budget

Russia's parliament yesterday chose to postpone a vote on government plans to slash spending this year, in a move which could leave the country without a realistic budget until autumn. Kremlin officials have warned that the legislature could be dissolved if it broke for its summer recess later this month without backing the revised budget. In response the Communists, who dominate the parliament, have warned they may call a vote of confidence in the government.

The showdown has been triggered by a tussle between the reformist cabinet and the left-leaning parliament over an austere mini-budget the government has proposed to offset a 35 per cent shortfall in tax collection. Although the government is already cutting spending without the egislature'a approval, international lenders are pressing the cabinet to win parliament's backing as part of efforts to entrench Russia's shaky democratic structures.

Getting the legislature behind the spending cuts would also help deflect popular anger at the government's latest round of belt tightening. However, legislators, who were zajoled by the government to approve the 1997 budget only a few months ago, are furious at being asked to accept another version now. They are also unwilling to share blame for the sharp curtailment in state Chrystia Freeland, Mos

Cypriot leaders agree to talks Leaders of Cyprus's Greek and Turkish communities will meet in New York on July 9 in their first encounter for nearly three years to try to break the deadlock in the long-standing dispute dividing the island, the United

Nations said yesterday. Cypriot President Glafkos Clerides and Turkish Cypriot eader Rauf Denktash said they would accept an invitation from Mr Kofi Annan, UN secretary-general, although the Greek Cypriot side is concerned that the Turkish Cypriots have not shifted their position in the dispute. For his part, Mr Denktash said: "This meeting is not aimed at reaching an immediate solution, but it is a

Sweden pulls plug on N-plant

The shutdown of Sweden's nuclear power industry is to start next year, after parliament voted yesterday to close two reactors between 1998 and 2001. The outcome bad been expected, following an agreement earlier this year between the Social Democratic government and the pro-green Centre and Left parties, A nine-hour debate ended in a comfortable majority in favour of closing the reactors at Barsebäck on Sweden's west coast. Nuclear power accounts for half Sweden's electricity needs.

Talks are in progress with Sydkraft, the listed power generator which runs the Barseback plant. It is demanding compensation for loss of generating capacity and has raised doubts about the government's target of closing the plant before general elections in September next year. The Federation of Swedish Industries, which opposes the shutdown plan, puts the cost of closing Barsebäck at SKr30bn (\$3.8bn). Government estimates are Greg McLoor, Stockholm

Bulgaria names bank chief

The Bulgarian parliament yesterday appointed Mr Svetoslav Gavriiski as central bank governor. He will be responsible for introducing next month a currency board monetary system backed by the International Monetary Fund. The 49-year-old governor was finance minister in the caretaker government which restored economic confidence earlier this year and is seen as a non-partisan

Mr Gavriiski was appointed under a new central bank law which paves the way for a currency board system designed to restore confidence in the lev and the banking system and to stabilise the economy. The lev will be tied to the D-Mark and the government will lose powers to subsidise the budget or ball out loss-making enterprises.

The money supply will be tied to the level of foreign exchange reserves and the former central bank's function as lender of last resort will be limited to three-month loans to commercial banks whose plight poses a risk to

### More Nazi-era funds found

Investigators seeking Jewish assets lost during the Nazi era have been told that more than 200 additional accounts possibly belonging to Holocaust victims have been found in Swiss banks. The accounts are worth about \$8m. Mr Elan Steinberg, executive director of the World Jewish Congress, said an international committee of investigators, led by Mr Paul Volcker, former US Federal Reserve chairman, was told about the discovery last week

during a meeting in Jerusalem. Swiss bank officials originally believed they had found 775 accounts holding SFr37.8m (\$26m) in assets of Holocaust victims. Mr Volcker said last year thet the banks had found more accounts, increasing the total unclaimed value by about 10 per cent. A full examination has yet to be announced, but an initial check of 51 accounts found that only six, containing SFr11,000, belonged to Holocaust victims.

### Juppé quits party leadership

Mr Alain Juppé, the French prime minister swept from power by a leftwing victory in the recent parliamentary elections, announced yesterday he would not seek re-election as leader of France's Gaullist RPR party. His decision clears the way for Mr Philippe Seguin. former National Assembly speaker, to take over as leader of the conservative-minded party, founded by President Jacques Chirac.

ECONOMIC WATCH

## Steady growth for Sweden

Real GDP, ennual % change

higher private consumption belped maintain steady expansion of the Swedish economy in the first quarter. Gross domestic product was 1.6 per cent higher than a year ago, but 0.3 per cent below the final quarter of last year, according to the country's central statistical bureau. The pace of growth was slightly lower than market forecasts, but is unlikely to derail 1993 94 95 96 97 projections that the economy will grow by about 2.3 per cent this year.

٠. .

Increased exports and

The weak krona has helped power growth in exports, which were 7 per cent higher than a year ago, comfortably outstripping a 4.8 per cent jump in imports. Privata consumption climbed 0.9 per cent. However, industrial investment fell 5.7 per cent.

offering little hope of a significant fall in unemployment. Christopher Brown Humes, Stockholm ■ Slovak real GDP growth slowed in the first quarter of 1997 to 5.1 per cent year-on-year, after a 7.3 per cent rate for the same period in 1996.

# Setback to British hopes on beef ban

By Sander Thomas in Brussels, Neil Buckley in Strasbourg, and Maggie Urry in London

The UK's bopes that the first stage in lifting the European Union ban on its beef exports could begin soon were set back severely yesterday. A key EU committee rejected British proposals as "inadequate".

British plan to allow the

certified free of "mad cow"

disease, requesting more

the reliability of UK data.

a heavy blow to the new early progress. The agriculture ministry

said it was examining the free of ruminant protein tem for cattle, are likely to committee's conclusions, which can spread BSE. and would send officials to The scientific veterinary Brussels next Monday "to director of the National committee threw hack a discuss the way forward". The scientific veterinary

drawn up by the previous European Commission to ment should now push for Conservative administra- allow the ban on certified exports of beef from cattle tion, the negative opinion is herds to be lifted. The committee called for rather than certified herds.

Labour government, which more information on the had hoped its more concilia- spread of BSE, and estitory approach would bring mates of the reliability of guarantees that UK feed was computerised tracking sys-Mr Ian Gardiner, policy

Farmers' Union, said he had expected little from Brussels committee is only an advi- but rejected as "astonish- states are not matching the sory body, but a positive ing" the request for more stringent controls it now opinion could have led to data on feed. Britain has has in place on BSE. recommendations from the the strongest audit trail of Mr Jack Cunningham, UK waste products that might decision-making standing any European country." agriculture secretary, euter the food chain.

Although the plan was veterinary committee to the He suggested the govern- threatened last week to ban born after last Angust 1, But farmers in Scotland.

which has a higher proportion of BSE-free herds, and such data. It also wanted Northern Ireland, which has maintain pressure to lift the ban on certified berds. The UK is expected to reit-

erate in Brussels next week

its concerns that other

beef imports from other EU countries unless they removed materials with a high risk of carrying BSE from animal carcases. Concerns were fuelled yes-

terday by a report from the Commission to the European Parliament suggesting Brussels would take legal action against four EU countries for breaches of meat processing rules. The monthly report

accused France, Germany, Sweden and Spain of failing to implement new rules on heat treatment of animal

BAS SEASI

💏 Butter of the second

e sour e

F. 200

Me Krinelie ein eung

**聖練変素率 それまりっこうごうけん さい** 

Former Yugoslav prime minister to stand for president if federal poll held

# Election challenge for Milosevic

By Guy Dinmore in Belgrade

Mr Milan Panic, a naturalised yesterday declared his intention to federal president.

Stock Exchange-listed ICN Pharmaceu- the war in Bosnia. ticals, quoted an opinion poll showing lav Seselj, an ultra-nationalist.

"I won't run as Serbian president. My Mr Milosevic, who is barred by the interest is the federal government," Mr constitution from seeking a third term with Serbia in the Yugoslav federation, the nationalist Mr Seselj.

American pharmaceuticals magnate, 1955, ran against Mr Milosevic for the federal presidency, a hitherto figure-Serbian presidency in December 1992 head post. challenge Mr Slobodan Milosevic, the and took 36 per cent of the vote despite Serbian leader, if direct elections are a campaign by state-run media portray- Socialist party has proposed that the to change the constitution. held this year for the post of Yugoslav ing him as a US spy. He was Yugoslav President be elected directly Mr Panic, chairman of the New York 1992 but fell out with Mr Milosevic over rather than by the federal assembly, as

"We have two totally different views tion. To secure the necessary changes, that 35 per cent of voters would sup- on how this country should be run. But Mr Milosevic needs the support of the port him, against 27 per cent for Mr of course I was raised in America and Milosevic and 20 per cent for Mr Volis- he spent all his life under communism. I feel sorry for him," Mr Panic said.

their backing.

Panic said in an interview at his Bel- as president of Serbia, is aiming to has less than 10 per cent of its larger prolong his 10-year reign by transfer-Mr Panic, who defected to the west in ring his power base to the Yugoalav out in any presidential contest. Within the federal assembly, however, the Montenegrin Socialists can block the To boost his legitimacy the ruling two-thirds majority Mr Milosevic needs

Mr Panic said Mr Milo Djukanovic, prime minister for eight months from by Serbian and Montenegrin voters the Montenegrin prime minister, who is strongly opposed to constitutional change, was e close friend who might consider joining an electoral campaign under the present Yugoslav constituagainst Mr Milosevic. Montenegrin Socialists. But diplomats

If elections were to take place, Mr say he stands little chance of winning Panic would be the likely favourite of western governments, faced with e choice between him, the Socialists and



# Czech PM's cliffhanger victory fails to dispel survival fears

By Vincent Boland in Prague

The victory of prime diate political crisis has minister Václav Klaus in a eliffhanger vote of confidence on Tuesday night has with tough spending cuts not dispelled doubts about and price rises will allow the Czech government's lon- the government to remain in ger-term survival as it prepares to give voters their of the year. Mr Milos first real taste of austerity. Zeman, main opposition

is optimism that the immepassed and that the coalition's agreement to push on office at least until the end Although Mr Klaus won leader, has suggested he the vote by only 101 votes to does not want an election 99 with the crucial support before mid-1998.

Financial responded well to the slimmest of government victories. Share prices posted modest gains, while the koruna, floated last month at the height of the crisis and now the key barometer of investor sentiment, held steady on foreign

Mr Klaus's big test now is menting the ansterity

markets reduce domestie demand Mr Klaus told parliament: and curb a swelling trade (\$1.3bn), or about 8 per cent of budget revenues - will hit across the board. A large and other social payments.

When combined with util-ity price increases, few areas are an overhaul of the Czechs will fail to notice the legal system and a crack-

"The government is ready to deficit. The cuts - which take on this task, knowing include total spending that it will not be applauded reductions of Kč45.5bn for everything it does now." Analysts said public hostility to the austerity measures would be reduced only alice will come from welfare if combined with other reforms the government

which has enriched a tiny elite at the expense of thousands of investors in the vouchers-for-shares privatisation drive.

Unless there was some form of social consensus, "there will be the impression that only some people have to make sacrifices while others do not," said Mr Martin Kunka, economist at Patria Finance.

pendent MP to ensure vic- whim of one MP, it could tory - giving parliament a make the process less partisay in important privatisa- san and more transparent. tion issues. Until now the government alone has had ment to explain exactly

likely to delay immediate tive. But only if it can create progress on further privati- a consensus around each energy sectors, in particu- banker said.

reaction to a key concession lar, and could leave parlia-Mr Klaus made to the inde-ment dependent on the

"If it forces the governresponsibility for selling what it is doing and to bring concrete proposals to parlia-While such a move is ment, that would be posisation of the banking and sale," one investment

# Italy falls out of love with referendums

Robert Graham on flagging support for an instrument of reform introduced in 1974

the veteran Radical party politiseven more questions.

struggle. A lover of stunts on pure seniority. ranging from hunger strikes to marathon talk-ins and smoking joints in public, Mr Pannella has now taken to forcing his way into television studios dressed as a ment in allowing conscienwhite-sheeted ghost, complaining that TV is refusing tary service, and the final to give sufficient coverage to his latest campaign.

Though this escapade has attracted considerable attention, it is far from elear whether he has rekindled flagging public interest. Opinion polls suggest it will be touch and go to obtain in history as the necessary 50 per cent quorum on Sunday.

"The Radicals will always deserve credit for having changed public opinion on some key issues," observed the leftwing daily L'Unità. "But they could also go down in history as having created a reasonable instrument of democracy which ends up as an object of ridi-

in the wake of his 12 referendums voted on in one indigestible block in 1995, Mr Pannella drummed up the necessary 500,000 signatures for no less than 20 more; a further 10 came from other groups, mainly backed by regional governments.

Last January the constitutional court rejected 19 of erbated by the way in which these - the most important being a proposal to abolish the remaining elements of proportional representation in parliamentary elections. Since then, four others have fallen by the wayside as a result of legislative changes which made voting on these matters unnecessary.

Critics say none of the issues at stake is a great moral question or of genuine national importance worth the cost of printing more than 400m voting slips. However, the Radicals say they are obliged to prod or bypass parliament because it contains too many vested interests to be truly "reformist".

The most important referendum on Sunday is on a call to abolish the "golden share" system incorporated into privatisation legislation in 1994. If it were removed the stete would have no means of retaining strategic control of key companies being privatised, such as the oil and gas group Eni, the electricity company Enel,

and the telecoms group Stat. This national referendum coincides with a local one in Rome on whether to sell off the capital's municipal milk and water companies. The combined result could give

r Marco Pannella, an interesting indication of the veteran Radi- attitudes to privatisation.

In terms of domestic polician, pioneered the referentics, only three of the other dum as an instrument of votes on Sunday are controreform in Italy with the versial: abolishing the Order introduction of divorce in of Journalists, the self-regu-1974. This Sunday he is hop-lating body which controls ing his fellow citizens will access to the profession; endshare his enthusiasm for ing the right of hunters to change in referendums on enter private property; and even more questions. stopping the practice of pro-He is having an uphill motion within the judiciary

> Of the remaining three, right to undertake extra-judicial jobs, another would remove the discretionary eletious objectors to avoid milione would get rid of the ministry of agriculture.

Two decades ago more

The Radicals could go down having created an instrument of democracy which ends up as an object of ridicule'

than two thirds of the electorate turned out in such referendums. But by 1995 the percentage had dropped to 57 per cent. Except for privatisation, the issues in Sunday's vote only affect specific interest groups and this has been reflected in the lack of public interest.

This apathy has been exacpast referendum results have been so easily over-

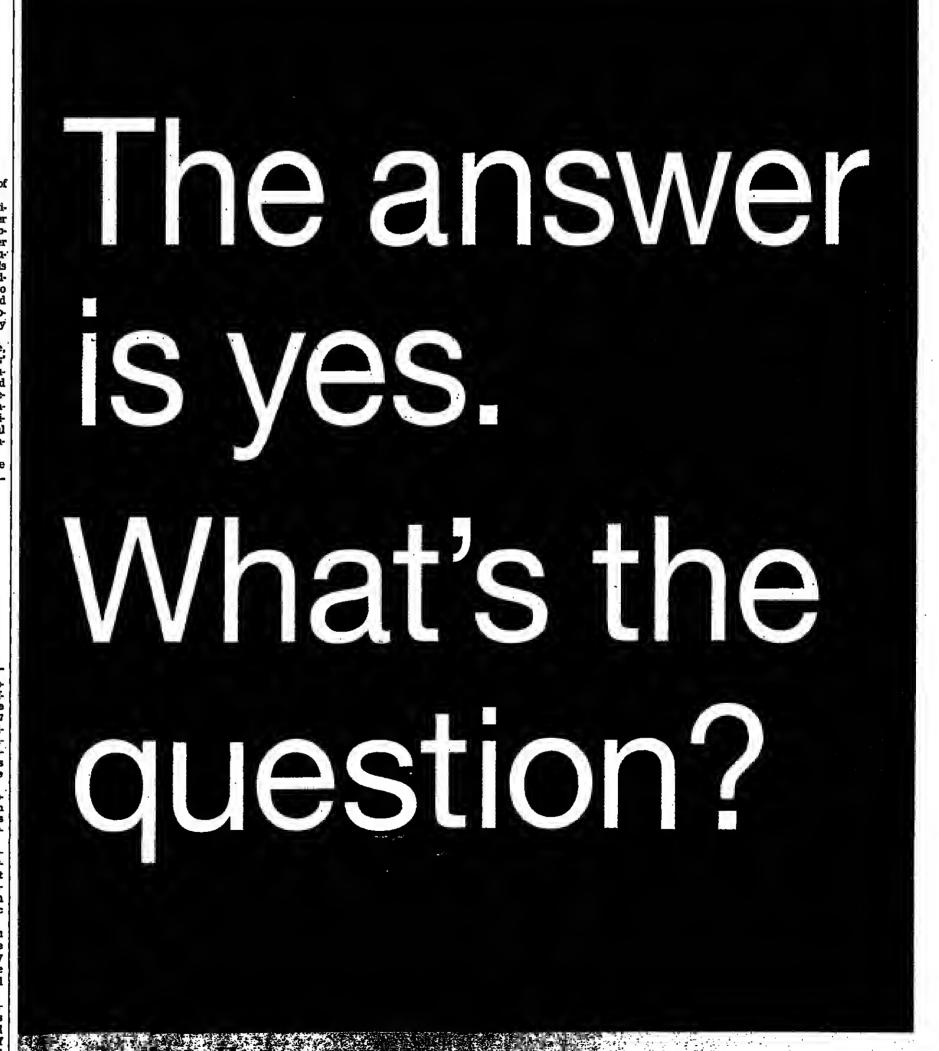
In 1993, for example, public financing of political parties was abolished; but last December a new law re-introduced such funding with scarcely a whimper of public

Another 1993 referendum abolished the agriculture ministry but it was simply converted by decree into the ministry of agricultural resources.

The latest attempt to abolish the ministry in Sunday's package almost failed because the government of Mr Romano Prodi introduced new legislation to counter the referendum.

The constitutional court ruled on Monday that this new legislation was insufficient to block Sunday's vote. But it would be surprising if the government did not take immediate remedial action if voters favour abolition of the ministry - not least because Italy needs a minister with an agricultural portfolio to deal with fellow European Union colleagues.

It is likely, too, that the government would legislate to fill the gap created by abolition of the golden share.



wall MCI will evant Concert plc, the first communications

# attend HK handover

By John Ridding in Hong Kong and Quentin Peel in London

President Jiang Zemin will bead China's delegation to Hong Kong's handover at resumption of sovereignty the end of the month, accompanied by Mr Li Peng, the Chinese prime minister, the state media said yesterday.

The British government will be represented by Mr Tooy Blair, the prime minister, and Mr Robin Cook, the foreign secretary, it was confirmed in London, ending months of diplomatic manoeuvring about the level of

However, there will be no British presence at the Chinese ceremony to follow the midnight handover on June 30. The boycott of the event has been agreed because it will involve swearing in the controversial Beijing-backed Provisional Legislature, at the Group of Seven meetwhich will replace the existing elected Legislative Coun- persuading others oot to

Mrs Madeleine Albright. US secretary of state, says she will not attend the Chinese ceremony, and Britain hopes its EU partners will adopt a similar attitude

The high-powered Chinese presence at the ceremonies, which also includes Mr Qian Qichen, foreign minister, underlines the importance China attaches to the over Hong Kong. It will be the first time that a Chinese leader has set foot in the territory since it was ceded to Britain more than a century

and a half ago. For China, the transfer of power symbolises the end of a period of weakness and its rise as an economic and political power. But while Mr Jiang will seek to reap political capital from his attendance, the boycott could prove an embarrassment.

Members of the US congress said on Tuesday that they will follow suit, while Britain will raise the issue both at the EU summit in Amsterdam next week, and ing in Denver, in the bope of endorse the unelected body.

Mr Chris Patten, Hong Kong's governor, yesterday urged China to reconsider ing in of the territory's new executive with the legislature. "It would have been better, as would customarily happen, if the provisional legislature was being sworn in separately."

But Beijing and the government-in-waiting have shown little sign of concessions. Mrs Rita Fan, president of the provisional legislature, dismissed suggestions that the ceremonies could be divided. "Whether certain foreign powers wish to accept us or not, it doesn't have any substantial mean-ing for us," she said.

Mr Jiang's visit will only last a few hours before he returns to Beijing for celebrations marking the handover. While in Hoog Kong he will represent China in the formal handover ceremonies at midnight, where Britain will be represented by the Prince of Wales.

Mr Jiang's presence appears to be behind demands that armed Chinese troops be stationed in their barracks by midnight. The issue threatens to create a dispute with Britain, which has resisted the presence of armed mainland troops before the bandover.

# Jiang and Blair to Pakistan economy way off target

Pakistan: high hopes, low marks

Pakistan's four-month-old government yesterday pub-lished economic figures that provide a dismal backdrop to its first budget tomorrow.

The finance ministry's annual economic survey. based on tha first nine months of the July-June financial year, showed that performance was considerably short of the targets set in last year's budget.

Gross domestic product grew 8.1 per cent compared with a target of 6.3 per cent. Agriculture, which makes the largest contribution to economic output, grew 0.7 per cept. Its target was 5 per

On the manufacturing front, Mr Sartaj Aziz, the finance minister, spoke of an "industrial crisis".

"Large-scale manufacturing has gone into minus (-1.4 per cent) for the first time in our history," he said.

An 84 per cent growth in small-scala manufacturing, however, belped to lift the overall growth rate in manufacturing to 1.8 per cent. The

target was 7.2 per cent. Mr Aziz said industry suffered from high taxes (before cuts announced in March), high interest rates and high electricity tariffs. Officials said total government revenues were likely to fall 15 per cent behind target.

GDP growth Official foreign exchange receive Budget deficit (%) of GRA

All these factors will make for a difficult budget for the government of Mr Nawaz Sharif, who is a businessman

turned politician. The markets and the International Monetary Fund will be looking closely for fresh tax reforms, in particular on collection, considered essential for a new loan agree-

An earlier standby agreement with the fund collapsed in March when Pakisthe conditions. Officials say that, barring unexpected setbacks, they hope to finalise a changes would build upon new three-year loan agreement with the fund by Octo-

Pakistan has almost \$3bn in debt payments due by December this year. It also has a monthly trade deficit of about \$300m that needs to be financed.

Mr Sharif's administration is expected to announce details of new, simpler tax returns to replace the widely criticised ones launched last year, which added several columns seeking details on personal expenditures. Such

earlier tax reforms announced in March when corporate and personal tax rates were slashed.

The effort is part of a campaign to encourage more country still has only a million income tax payers in a population of 140m. Evasion is rampant because of deep-rooted corruption border. Also, India began to men and tax collectors.

Mr Aziz said recently: "Whenever you lower tax rates, there is international

is reduced. But at the same time, you must tighten your audit and your monitoring machinery and that's what

we are doing." A recent 20 per cent cut in import tariffs as a part of the new government's liberalisation policies, with the top rate of duties being reduced to 45 per cent, will also contribute to a fall in govern-

ment revenues. Analysts will be looking for evidence that the new government will be intent on putting into practice the policies that go with the grand claims. Ms Fatima Shah, country ecocomic analyst at the James Capel office to Islamabad, says: "Pakistan's three most important policy problems are implementation, implementation, imple-

No cuts are expected in defence expenditure. Hawks in the Pakistani establishment have recently found an opportunity to demand a reports that India had deployed short-range missiles close to the Pakistani bring its new Russian Su-30 fighter aircraft into service with its air force this week.

Farhan Bokhari



# Join Hilton HHonors Worldwide — Stay Free Faster. Get A Free Night After Three Double Dip Stays.

When you charge your stays at participating Hilton, Conrad International and Vista hotels with an American Express Card between June 2 and August 31, 1997, you'll earn double Hilton Hiltonors Base points. Plus, you'll earn one free weekend night after every three Double Dip stays during the same period. You can earn up to three free nights, and each is valid for one year. Double Dip stays are when you claim both HHonors points and miles with any one of 19 partner airline. programmes for the same qualifying stay. Three ways we're making it easier for you to get your rewards faster. For reservations, call your professional travel agent, or for reservations and free HHonors enrollment, visit us on the Web at http://www.hillon.com or call Hilton Reservations Worldwide at + 32 2 718 3911, or in the U.K. at 0345 581 595. ... 40 10 10 10



Cards

inption of points are subject to Hitonors Terms and Conditions. Normal rules for earning Hitonors points and airline awards apply. Refer to Hitonors membership materials for rate and other restrictions. Limit the same hotel, whether or not a guest checks out and back in again. Members will be notified of qualification after the promotion has ended. Reward Certificate is valid for one year from date of issue O1997 Hilton Histories Worldwide.

# ASIA-PACIFIC NEWS DIGEST

# Manila praises foreign banks

The Philippine central bank yesterday gave strong endorsement of the performance of foreign banks in their first full year in the country. It said that their investment had fuelled the country's improved economic growth and helped finance industrial expansion.

Ten foreign banks were granted licences to set up branches following the fiercely cootested liberalisation of the sector in 1995. Between them, they brought 37.6bn pesos (\$1.42bn) in new mooey into the financial system in 1996, according to central bank figures. They also extended 45bn pesos in loans and investments to local



What these figures show is that, contrary to the fears raised by some protectionist and inward-looking sectors of our society, the foreign banks have in fact brought in foreign capital that weot to finance the expansion of key local industries that in turn beloed sustain the record of Philippine growth," said Mr Gabrie central bank (pictured left). Mr Singson's remarks may be interpreted as an early sign that he will permit further penetration of the

■ News of the foreign banks' strong performance accompanied an announcement from the Board of Investments that it had approved projects worth 177.4bn pesos in the first five months of the year, a gain of 136 per

# Bank of Japan's extra powers

Japan's central bank was yesterday granted nominal independence to set interest rates and a ban on holding companies was lifted, thus putting in place two planks of to deregulate the financial sector. The upper house of the Japanese parliament passed a hill giving the Bank of Japan greater control over the operation of monetary policy. It also changed the law to allow the creation of bolding companies that exist purely to bold shares in other companies. Both reforms will come into effect from

Another, crucial, plank of these changes will emerge tomorrow when government-sponsored advisory committees issue the first detailed proposals for the "Big Bang" reforms in tha banking, securities and insurance

# Australian housing recovery

Data released yesterday showed signs of strong recovery in Australia's housing market, but the May monthly business survey from National Australia Bank, the ebhing of corporate confidence.

The total number of housing finance approvals surger by 12.2 per cent in April, and oow stands at 15.6 per cent above the level for the same month last year - figures that were at the upper end of analysts' expectations. By contrast, however, the NAB survey found that "business confidence declined slightly in May despite the recent

# Transit plea to Bangladesh

Bangladesh to grant India a transit route. A 45-member delegation from India's north-eastern states stressed the benefits of direct road transit between the main part of India and the seven states mainly cut off by Bangladesh during a five-day visit to the country

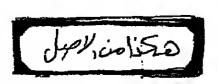
"The north-eastern region of India holds the potential to act as a gateway to the burgeoning markets of south-east Asia. Such a transit route could make the region a formidable centre of economic scrivity by the turn of the

century," said Mr Shri H.S. Kumbat, delegation leader. A link to replace the current circuitous road and rail rootes would generate a net income of nearly \$100m a year for Bangladesh, he added. Kasra Naji. Dh

# 250 killed in Sri Lanka attack

Sri Lankan troops began clearing northern areas yesterday after an offensive by separatist Tamil guerrillas on the army's forward defences left more than 250 dead. including at least 58 government troops, the defence ministry said.

The area has stabilised completely and troops are engaged in clearing the vast area affected by the terrorist attack," the ministry said. It said more than 1,000 Liberation Tigers of Tamil Eelam rebels took part in the pre-dawn attack on Tuesday on army defences 230km north of Colombo.



### **NEWS:** THE AMERICAS

AMERICAN NEWS DIGEST

# Battle over US tax cuts

The House of Representatives Ways and Means committee was expected to begin voting late yesterday on an \$85bn tax cut bill, as Democrats and Republicans fought a bitter public relations battle over the impact of planned

Administration officials worked hard to put out the message that the tax cut proposals announced by the Republican chairman of the committee on Monday help the wealthy more than the poor. Meanwhile, Republicans touted their plan as helping middle-income families.

Democrats are deeply divided over the tax plan, part of the agreement to balance the federal budget. Mr Robert Rubin, Treasury secretary, said the cuts favoured the affluent. The proposals include cuts in capital gains taxes a \$500 per child tax credit and a \$1,500 credit for the cost of tertiary education.

President Bill Clinton said on Tuesday that the proposals violated the balanced budget agreement, because they provided too little for education credits and penalised the working poor. Patti Waldmeir, Washington

#### Chrétien in cabinet reshuffle

Western Canada's growing political influence was reflected in a cabinet shuffle unveiled yesterday by Mr Jean Chrétien, prime minister. Several senior ministers, including Mr Paul Martin at finance and Mr Lloyd Axworthy at foreign affairs, were not affected by yesterday's changes. The shuffle comes little more than a week after a general election in which Mr Chrétien'a Liberals won a second term in office, but with a reduced

. The western-based Reform party, which was formed a decade ago with the slogan "The West Wants In", emerged as the official opposition, taking several seats from Liberals in Alberta and British Columbia. Reform's campaign platform reflected a perception in western Canada of the federal government's favouritism towards French-speaking Quebec.

The shuffle included the promotion of Ms Anne McLellan, an Edmonton MP, from natural resources to justice and of Vancouver Island's Mr David Anderson from transport to the politically sensitive fisheries ministry. Mr Sergio Marchi becomes international trade Bernard Simon, Toronto

#### Setback to Brazil reforms

Tha Brazilian government's attempt to push forward its constitutional reform programme faced a setback when it failed to defeat an opposition amendment to its civil service reform bill.

Although the amendment does not do substantial damage to the civil service bill, it was the first in a series of votes scheduled for this week. The civil service bill is one of two key reforms aimed at reducing the budget deficit, which economists say is crucial if the country's low-inflation is to be secured. The bill could reduce government spending by the equivalent of 1 per cent of gross domestic product, economists estimate. The government secured only 301 votes against the amendment, seven short of the three-fifths majority it needs for constitutional reforms.

The issue of land reform in Brazil came to the boil again yesterday after Mr José Rainha Junior, one of the leaders of the landless labourers movement (MST), was sentenced to 26 years in prison for his involvement in the murder of two men. The MST said it would appeal against Geoff Dyer, São Paulo

### ADM at centre of new probe

Archer Daniels Midlands, tha US agribusiness group, which last year pleaded guilty to price-fixing charges in the US, is now the subject of a similar probe in Europe, the company said yesterday.

ADM and several of its European subsidiaries are among the subjects of an anti-competitive practices investigation by the European Commission. The company said the Commission was looking at the possible participation of major manufacturers in anti-competitive practices or agreements in certain markets for amino acids, including lysine, a feed additive.

ADM paid a record \$100m in fines last year after pleading guilty in the US to fixing prices of lysine and Reuter, Chicago citric acid, a food additive.

The Secretary of State hereby gives notice as follows.

a public telecommunication system.

Licensee will have duties:

under the proposed licence,

Anthony Eden-Brown

Department of Trade and Industry

ween those engaged in the provision of telecomm

**ACT 1984** 

**PUBLIC NOTICES** 

Telecommunications Act 1984 ("the Act") to run telecommunication systems in London and in the counties of Bedfordshire, Berkshire, Buckinghamshire, Hertfordshire, Hampshire, Leicestershire, Northamptonshire,

Oxfordshire, Staffordshire, Surrey, Warwickshire, West Midlands and Wiltshire (the "Licensed Area"). The

The licence will be subject to conditions such that section 8 of the Act will apply to it, thereby making each of the systems run under the licence eligible for designation as a public telecommunication system under section 9 of the Act. It is the intention of the Secretary of State to designate each of the Licensee's systems as

The Secretary of State proposes to grant the licence because he considers it will help to satisfy demands in the
Licensed Area for the provision of services of the type authorised, will promote the interests of consumers in

respect of the quality and variety of all such services, and will maintain and promote effective competition

5. He proposes to apply the telecommunications code ("the Code") to the Licensee in relation to the Licensee

Area subject to certain exceptions and conditions. The effect of these exceptions and conditions is that the

(a) to comply with various safety and environmental conditions, in particular (with certain exceptions) to install lines underground or only on such above ground appearant as is already installed for any purpose;

(b) to comply with conditions designed to ensure efficiency and economy on the part of the Licensee, in n with the execution of works on land concerning the installation, maintenance, repair or

(c) to consult certain public bodies before exercising particular powers under the Code, including the local as constant sectains putting occurs control accordance particular powers under the Code, memoring the local phasing and highway authorities and English Nature and the National Trust, as well as relevant electricity

(e) to ensure that sufficient funds are available to most certain liabilities arising from the execution of street

(d) to keep and make available records of the location of its underground apparatus and copies of the

6. The reason why he proposes to apply the Code to the Licensec is that the Licensec will need the stansacy

powers in the Code to install and maintain the telecommunication systems required to be installed and run

7. The reasons why it is proposed that the Code as applied should have effect subject to the exceptions and conditions referred to above are that they are considered requisite or expedient for the purpose of securing that

the physical environment in the Licensed Area is protected, that there is no greater damage to land than necessary, that the system is installed as safely and economically as possible, and that the Licensee can meet

5. Representations or objections may be made in respect of the proposed licence, the application of the Code to the Licensee in relation to the Licensed Area and the proposed exceptions and conditions referred to above.

They should be made in writing by 11 July 1997 and addressed to the undersigned at the Department of Trade and Industry, Communications and Information Industries Division, Room 2.57, 151 Buckingham Palace Road, London SW1W 9SS. Copies of the proposed Recore (including a map of the Licensed Area) can freely

exceptions and conditions in the licence to its powers under the Code; and

(and relevant persons can enforce) liabilities arising from the execution of works.

be obtained by writing to the Department or by calling 0171 215 1756.

unication services.

2. The effect of the licence will be to enable the Licenses to install and run relecommunication systems in the Licensed Area. The Licensee will be able to provide a wide range of services but exchading mo services and certain international services. The Licence authorises connection to a wide range of other systems, including earth orbiting apparatus, allowing the provision of some types of international satellite service. On securing a share of 25% or more of the market in respect of particular services in an area specified by the Director General of Telecommunications, the Licensee may be obliged to make available those

NOTICE PUBLISHED BY THE SECRETARY OF STATE UNDER

1. He proposes to grant to Cable Thames Valley Limited ("the Licensee") a licence under the

elecongumnication services to all who reasonably request them within that area

SUBSECTIONS 8(5) AND 10(6) OF THE TELECOMMUNICATIONS

licence will be for a period of 25 years subject to earlier revocation in specified circumstances.

Deadlock as industry and lawyers disagree over government's regulatory powers

# Tobacco talks in nicotine stalemate

By Richard Tomkins in New York

Peace talks in tha US tobacco wars appeared to stall yesterday amid disagreements between the tobacco industry and antitobacco lawyers about how much power the federal government should have to regulate the nicotine content of cigarettes.

Anti-tobacco negotiators said Britain's BAT Industries, which owns Brown & Williamson Tobacco, the third biggest US cigarette

arette makers, over the

BAT declined to comment. but Mr Martin Broughton. the company's chief executive, was believed to be planning to fly to Washington tomorrow to take part in the talks. Negotiators are hoping his arrival will belp break the deadlock, opening the possibility of a deal next

lawyers representing states balieva a settlement will period, and ultimately ban

with Philip Morris and RJR suits pending against the society. Nabisco, the top two US cig-industry are discussing a landmark settlement under which the industry would pay out \$300bn or more over the next 25 years and accept

> from litigation. The two sides have been stand to make big gains from such a deal. But the terms proposed have drawn vigorous opposition from

for wide-ranging immunity

ه کذامن الممل

As a result, the negotiators are being forced to seek a deal that looks tougher on the tobacco industry. This has increased the risk that tougher regulation in return one or more of the tobacco companies will find the erms unacceptable.

Yasterday's impasse drawn together because both appeared to have been only issue. Other sticking caused by a proposal that the US Federal Drug Administration should be able to order a gradual reduction in The tobacco industry and public health advocates, who nicotine levels over a certain

company, had broken ranks and individuals with law- bring few, if any, benefits to nicotine in certain circumstances. One observer said BAT opposed this provision because the company had a bigger international axposure than the US companies in the talks, and feared the provision would set a precedent for tougher regulation

in other countries.

However, this is not the points include how much protection the industry should bave from lawsuits brought by individual smokers, and whether punitive Martin Broughton: to seek

damages should be banned.

workers for each car or

truck the company builds in

the US - one fewer than five

than Ford (which employs

3.29) and Chrysler (3.09) and

considerably more than US-based Japanese plants

(which range from 2.23 to

That gap should narrow as

GM introduces new vehicles

which are more efficient to

build. GM's new pick-up

truck to be built in Pontiac

this autumn, for instance,

will require 30 per cent less

Under a series of labour

agreements, the most recent

last year, the present genera-

labour, the company says.

2.67 workers per vehicle.)

years ago, but still more



#### Dam wins approval By Richard Waters in Detroit with tough The picket lines this week

By Imogen Mark in Santiago

conditions

The Chilean government has imposed unusually tough conditions on its approval for a hydro-electric dam on the BioBio river.

Conama, the government's environmental watchdog, said the Ralco project's own-ers, Endesa, Chile's biggest generating company, must over 20 years finance the creation of a "biological reserva" of 3,800 hectares, and monitor the impact of the dam on plants and fish.

Endesa must also start a farm davelopment project and give long-term technical and marketing help to the 78 Pehuenche Indian families who will be displaced from their homes when the dam floods 3,500 hectares of their valley south of Santiago,

The company has yet to win approval from Conadi, the council for native peoples, which must approve any change in ownership or use of Indian lands. A director of Conadi opposed to the dam was replaced by the government a month ago by a new appointee who is apparently more amenable to the plan.

The project has divided the 5,500 or so Pehuenches who live in BioBio valley. Some families support the dam, which they see as bringing jobs to the area.

An independent report on the impact of Endesa's Pangua dam further downstream, commissioned by the International Finance Corporation (IFC), was critical of Endesa's past record on the environment and its treatment of Indians.

The Ralco plant will generate 3.380Gwh of electricity, almost 20 per cent of the capacity of the central power

12 June 1997

# US car workers find the going hard

tiac, outside Detroit, tell the story of an ageing generation of car workers - and of a problem that has thrown the US's biggest carmaker and its unions into a running battle in the mid-1990s.

These are people in their 40s and 50s, hired, like most of the workforce in the company's traditional Midwest plants, before the Japanese invasion that rocked the US auto industry in the 1970s and 1980s.

GM survived - barely and is now profitable again. But, according to these strikers, the 1990s have been a time of joyless prosperity. In its efforts to raise profitability to a more sustainable level. GM has been bent on trimming staff and outsourc-

non-union suppliers. This simmering labour

around a General Motors unrest has brought a wors-pick-up truck plant in Pon-ening series of local plantlevel walk-outs over the past Since the start of 1996, it has cost GM \$1.5bn in lost

profits. And, with three key parts plants due to go on strike by this weekend, the carmaker could once again face a shortage of parts that would bring its North American assembly lines to a halt - as happened early last

Barring a last-minuta makes catalytic converters for all GM's North American assembly lines, will go on strike at midnight tonight, and two other parts plants are threatening to walk out from tomorrow.

The ageing workers at

ing jobs to lower-paying. Pontiac say they are simply working too hard. With fewer workers, it has become difficult for many to take holidays, while even lavatory breaks have becoma problematic. Overtime, in many cases, bas become obligatory.

"The big thing isn't the money - there's just too many hours," says Mr Tom Scott, 58, one of the picketers. "We're not 20 years old any more."

According to Mr Doug Fraser, a past president of the United Auto Workers union, one thing links all agreement, a plant in Oak these local flare-ups. "It's the Creek, Wisconsin, that same basic issue: jobs," he says. After seeing so many jobs disappear in the bad times, the UAW has decided to use the prosperity of the late 1990s to try to prevent the steady attrition in its

ranks, he adds. GM, though, shows no

signs of letting up. Accordtually guaranteed jobs for ing to the widely followed life - or generous payments annual productivity study of if no jobs for them exist. the car industry conducted However, Mr David Littby Harbour & Associates, published yesterday, GM's man, chief economist at Comerica, Detroit's biggest local bank, points out, this assembly plants employ 3.47

generation of car workers is nearing retirement. Early next century, US carmakers will go on a hiring binge, bringing tens of thousands of new workers into the industry. In many ways, it is over terms of these jobs that this summer's

strikes are being waged. A more competitive car market will make this a tough fight for the UAW to win. "Are they trying to get the same pay and benefits [for these new employees] as for the past generation?" says Mr Littman. "It's just not possible."

of which was hammered out FT Auto Survay: Separate

Probably the best beer in the world.

reign banks

-

Mr. Trace.

Bridge to the first of Major v. Marian ... 100 mm 1 A CONTRACTOR OF THE PARTY OF TH A 14571 11 -Selection of the last 

Bralian I was a local Market . Miles Committee -HAR I I Section 1997 April 1990 - $\mathbf{g}^{(1)}(\mathbf{y}, \mathbf{y}^{(2)}) \rightarrow \mathbf{x}^{(1)}$ 

A Company of the second market to the con-4 4 Buch ..... A Company Server and the server garanta da ana a

audi - a **300** 1

Andrew Control of the Control of the

Aithed in St. Land.

-Name of the last o - T-

# 3m Spin to the second here

# Unita pressed to cut deal on diamonds

Angola's former rebel Unita movement is coming under increasing government pressure to reach agreement on the allocation of the country'e diamond concessions, worth an estimated \$700m a

The long-running dispute over Unita's control of about two-thirds of the country's production threatens to hold up implementation of the final phases of the peace process which ended Angola's civil war.

"Unita is being warned it is in a weak position, and it lose its diamond areas. "The MPLA government ended in should sign now, rather than risk losing everything." said ona diplomat in the capital

But Mr Jonas Savimbi, Unita's leader, has expressed concern about his movement'a viability should it



government has the oil, we need at least some of the diateat elections again in Angola," says one of Mr Savimbi's close advisers. Although the 19-year con-

1994, the former rebels have remained in control of most monds if we are to ever con- of the Angolan coontryside. and have carried on exporting diamonds, principally through the Congo, formerly mer President Mobutu Sese

But President Mobutu's fall has compromised Unita's ability to trade diamonds, while simultaneously buoying the confidence of the in mid-May the Angolan

army launched an offensive in the diamond-rich northeastern province of Lunda Norte, capturing several towns and villages in Unitaheld territory. A Unita epokesman admits they have already lost control of some diamond mines, while industry analysts astimate the government may have captured 10 per cent of the movament'a productive

Meanwhile, further buildups of government troops have been reported in the north-eastarn towns of Dundo, Cacola, Saurimo and involved in the Angolan while the concession around peace process.

Unita'a team of diamond negotiators have baen talking to their counterparts in the state Angolan cials say that SGM was diamond antarprise, offered exclusive rights to Endiama, for more than a With Endiama's blessing,

Unita has established its own legal mining company, Sociedade Geral das Minas (SGM). Two weeks ago, the Angolan government awarded SGM the rights to prospect in two concessions: one in the southern province of Cuando Cubango, and one in the central highlands. around the Unita-held town of Andulo. Diamonds are not being produced in aither

cession in Cuando-Cubango

Andulo is thought to have alluvial diamond deposits. But negotiations have stal-

led in other areas. Unita offi-

prospect in the Luarica concession, in Luanda Norte, where both Units and the Angolan government are producing diamonds. Unita alleges that the government has reneged on the earlier agreement, and is trying to redraw the boundaries of the -concession to accommodate the interests of individuals

Meanwhile, further to the west. Unita has been offered a shareholding in the Sociedade Mineira de Desenvolvimento, SMD, the consortium

trying to concentrate Unita's able Kimberlite pipes (dia-mind," eaid an official mond bearing structures), cial Chango valley conces-

This includes Angola's richest alluvial deposits which are being heavily mined by Unita. The move ment has so far failed to reach agreement with SDM, which is comprised of Australia's Ashton Mining, Brazil's Odabrecht.

"We are still hold most of the Cuango valley, and we are not moving out until we get a good profit-sharing deal," says a Unita official Similar talks are going on over the Upper Cuango concession, which is also in Unita-held territory, but which has been awarded by ths government to tha Defence and Security (IDAS).

Tunisia. Amnesty International ays there is a "widening circle of repression" in Tunisia - an accusation rejected by the Tunisian government.

**Euro MPs** 

repression

in Tunisia

Five human rights

organisations were vester-

day invited to the European

parliament where leftwing

groups are pushing for a res-

olution on human rights in

By Roule Khalef

nership agreement with the European Union, which includes a clause on respect for human rights. A resolution by the European Parliament last year is believed to have contributed to the release of two Tunisian political leaders. Both, however, are now banned from political activities.

. A parliament official said yesterday some Tunisian human rights activists were prevented from travelling to Strasbourg to attend the

A report this week by Amnesty says detention and imprisonment, torture, harassment and totimidation are used to silence, intimidate and punish opponents and critics across the political apectrum. The report says local human rights organisations are prevented

from functioning.

According to Amnesty and other human rights activists. several trade unionists were letained this year, after the etitions. One was a protest against government intererence in the management of the main trade union. Another, signed by 202 people, including trade unionists, laywers, university lecturers and doctors, condemned increased restrictions on civil liberties.

# W Sahara talks start in London

envoy for Western Sahara, yesterday opened talks in London with parties involved to the dispute over the North African territory. Reuter reports from London. Mr Baker, who will bold two days of separate talks with all those involved. started by meeting the Algerian-backed Polisario Front, which seeks independence for Western Sahara.

He will also meet representatives of Morocco, which controls most of the former Spanish colony, as well as envoya from Algeria and Mauritania, both closely concerned with the issue. The UN has been trying

for years to organise a referendum, originally aet for January 1992, to decide whather Western Sahara should be part of Morocco or referendum, called for under a UN peace plan, has been repeatedly delayed because of a disagreement between should be eligible to vote.

# Taliban advance is reversed

Tha political map of Afzhanistan has almost completely reverted to the way it looked three weeks ago. The last remaining big city cap-tured by the Taliban in their sbortlived blitzkrieg across the porth fell yesterday to tha forces of General Abdul Malik, writes Charles Clover in Pol-i-Khonni.

. The city of Pol-i-Khomri was retaken after the Taliban fled in the night following skirmishing with Gen

Malik's troops. The Taliban forces are apparently heading towards Baghlan City, 30km away, to seek refuge from the one remaining sympathetic warlord in the north, Bashir Baghlani.

The Taliban, the radical Islamic army which has conquered three-quarters of Afghanistan in the past three years, captured several northern provinces as the result of a short-lived alliance with Gen Malik. They have been routed from these areas following a catastrophie defeat in Mazar-i-

Red Cross disasters report points to poor accounting by NGOs, which handle three-quarters of aid deliveries

# Quality standards urged for world's relief agencies

Universal quality standards for aid agencies, equivalent to those used by business, are needed to improve aid delivery and better serve the victims of disasters, according to the latest annual World Disasters Report from tha International Federation of Red Cross and Red Cres-

The report, published yesterday, says non-government organisations (NGOs) have ceased to be "gap-fillers" in disaster assistance, following decisions by many govern-ments to cut back their own relief efforts for budgetary and political reasons. Independent agencies now

put more money into Africa than the World Bank and worldwide they handle as much as three-quarters of all aid delivered on the ground, the federation notes.

Though most assistance is

Médecins sans Frontières, Oxfam and others, the number of NGOs is booming, the report says.

in 1995 the Commission on Global Governance counted nearly 29,000 international NGOs and new ones spring up with each crisis. "In a bumanitarian world without rules or a controlling body, anybody can be a relief

An international evaluation of the Rwanda crisis conducted in 1996 found that almost a third of the 170 agencies registered in the Great Lakes region had disappeared. The destination of \$120m of the \$1.4bn spent on the Great Lakes disaster 'was uncertain'.

Mr Peter Walker, director of disaster policy at the Geneva-based federation, said this week the missing money was not necessarily misappropriated, but it was not properly accounted for. accounted for by seven or The Rwandan example clearly indicated the need

fession like that, there would be real problems," he said.

The federation, which has already developed a 10-point ethical code of conduct for its 171 national societies and other NGOs, is working with other leading NGO networks on a set of performance standards for aid delivery which they bope to complete within a year. "Agencies must be abla to

in terms of what is delivered or secured, and how it is provided." Mr Walker said. "What we need is the humanitarian equivalent of ISO [International Organisation for Standardisation]

lay down what disaster vic-

tims have a right to expect

international standards." In the long-term, adherence to these standards could be a criterion for receiving funds from governments and others. Mr Walker said, though no formal monitoring mechanism is envisaged for the time

being.
A "winnowing" of relief

countries is expected to follow a probable declina in official relief spending over the next few years, according to the report, though NGOs in developing countries are still expanding.

Like the ISO 9000 quality management standards, the federation plans to make its quality standards "clientoriented" to emphasise the responsibility agencies have to disaster victims as well as to donor governments and other fund-providers.

Mr George Weber, federation secretary general, notes that "traditionally, poor and vulnerable people looked to governments and their welfare systems for help". Now they are increasingly relying on private charities which need to be accountable to those they are trying to help. Mr Weber said clear qual-

lty standards would help NGOs in balancing the interests of victims, donors and pressures to compete for funds and publicity, as well die each year in disasters, last year to 33.7m. Governas guide them in making notably drought and famine, ments also reduced humani- £15.99.



Disaster relief has become a big industry, according to the report. In 1971 govern-ments spent less than \$200m on disasters worldwide while by 1994 total crisis spending had reached \$8bn.

More than 136,000 people.

and by 2000 350m a year will tarian assistance and food a year while natural disasters of all kinds cost \$87bn a

year on average. The report notes that the world's refugee and displaced population fell by 2m

be affected, the federation aid. The number of natural says. Drought and flooding disasters last year, at 180, each affect over 60m people. was down on 1995 but there was a 6 per cent increase in the number of people affected, reflecting catastrophic floods in China and

World Disasters Report 1997, Oxford University Press

# networks, including the fed- for professional standards. UN sets \$80bn as price of ending world poverty

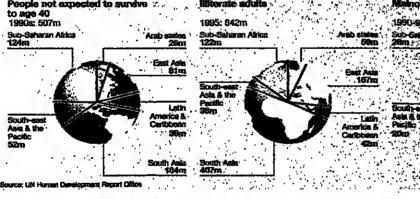
Andrew Balls looks at a report which urges a new global political commitment to break the spiral of decline dom 15th, Germany 19th and concessional assistance, debt The hundreds of millions for whom development in unknown. Italy 21st, just above Hong

be eradicated across the world in the early part of the 21st century. according to the 1997 United Nations Human Development Report. It says the developing

world has made progress in the last 30 years that took the industrial world a century to accomplisb. More than 75 per cent of the world's population can now expect to live beyond 40. Child mortality rates have halved since 1960, malnutrition has fallen by a third, and adult illiteracy by half. But, tha report warns, there is no room for compla cency: 800m people worldwide do not have enough to eat, and 1.3bn peopla live on

less than \$1 per day. The eighth annual UN survey, compiled by a team of economists directed by Mr Richard Jolly, uses this \$1 per day poverty line as a hase for international comparisons. On this measure, poverty in developing countries fell from 34 per cent of the population in 1987 to 32 per cent in 1993. South Asia accounts for 515m (39 per

to age 40 1990s: 507m Sub-Saharan Africa 124m



the total), and Latin America

110m (9 per cent). China has contributed a large part of the decline in world poverty. However, increasing in Africa and Latin America

But the report also introduces the more complex the report estimates that a notion of "human poverty". which focuses on lack of cepabilities, rather than low income alone. The Human Poverty Index (HPI) meacent) of the world's poor, sures life expectancy (the Africa 219m (17 per cent of percentage of people expec-

ted to die before the age of 40); education levels (the percentage of adults who are illiterate); and overall mateage of people without access are falling in Asia, they are to health services and safe water, and the percentage of children under five who are under weight). On this index quarter of the developing

world lives in poverty. Trinidad and Tobago, Cuba. Chile, Singapore and Costa Rica have made the most progess on this count, reducing human poverty to

Sub-Saharan Africa has the highest proportion of people in buman poverty. and its fastest rate of growth. In seven African . countries, Niger, Sierra been a drain. The problems Leone, Burkina Faso, Ethio- are worsened, says the pia, Mali, Cambodia and

Mozambique, buman poverty

affects more than 50 per cent

of the population. Between 1990 and 1994 per capita income to Sub-Saharan Africa fell by 2.4 per cent. Earlier, between 1970 and 1992, GDP per head

pared to \$420 in South Asia and \$900 in East Asia. Africa has failed to attract foreign investment, and excessive eign debt repayment have report, by the increasing incidence of Aids, and vio-lent conflict in 30 African

Worldwida, tha Human Development Index pnts the poor, and those to rural Canada in first place, followed by France, Norway increased by only \$73, com- seventh, the United King- through fairer world trade,

Kong, Cyprus and Barbados. Leone, Rwanda and Niger. The antbors emphasise that daveloping countries need first to help themselves to suppress conflict, corruption and organised crime and to invest to human capi-

tal. Poor macroeconomic pol-icy, and the failure to uphold tha rula of law and to enforce contracts has To break this downward spiral, and to eradicate income poverty, the report proposes a six point plan: • Promoting the political

rights of poor people, and making clean water, education, health care and social safety nets available to all. • Promoting sexual equality to ensure equal rights. equal access to education, equal access to health care, and equal access to land and credit for women. Higher levels of growth.

and "pro-poor growth" that reduces inequality and helps

 Managed globalisation to help the poorest countries,

relief, and the promotion of hasic education and skills. At the bottom are Sierra . A democratic voice for the poor in developing countries, to allow them to advance their own interests peacefully Special support from the

international community in conflict pravention and peacekeeping, debt relief for buman development and poverty eradication, and more aid better directed to help the poor. The report says that basic

social services could be made available to all people in developing countries at the cost of \$40bn over the next 10 years. A further investment of \$40bn over 20 vears could spur pro-poor growth, and eradicata income poverty across the world. With this price-tag for eliminating poverty of \$30bn - 0.5 per cent of global income of \$25,000bn report concludes that "politi-

cal commitment, not financial resources, is the real obstacle to poverty eradica-

1997. Oxford University

### NICO COLCHESTER PRIZE FOR EUROPEAN WRITERS.

Applications are invited for a new prize, established in memory of Nico Colchester. who died in 1996 at the age of 49, after an outstanding career at the Financial Times, The Economist, and the Economist Intelligence Unit. Nico was one of Britain's finest writers on foreign, especially European, affairs as well as business and technology, and one of his particular talents was the use of humour to cast light on seri-

The trustees of the Nico Colchester foundation will award the prize to the best, specially-written 1,000-word article that reflects that flavour of Nico's own work Applicants should submit their article, in English, on a subject they believe to be central to the future of Europe's political, economic, scientific or business development.

Applicants should be young, should be pursuing or intending to pursue a career in journalism, and be citizens of a European Union country other than Britain.

The prize will consist of a three-month internship at The Economist, in the autumn of 1997. The foundation will provide a bursary of £4,000 to cover travel and accommodation, while The Economist will pay a small weekly stipend. The 1998 prize will

be an internship at the FT. Entries, by the closing date of June 27th, should be sent to: The Editor (Nico Colchester prize), The Economist, 25 St. James's Street, London SWIA 1HG.

The foundation for this prize has been established jointly by the Halifax bank, the Financial Times and The Economist. Anyone wishing to make further donations to the foundation may write to the Nico Colchester Foundation trustees, c/o the

# Brussels policy on reducing greenhouse gases 'unworkable'

and Leyla Boulton in London

attempts to persuade other developed nations to match its proposed cuts in greenhouse gas emissions came Japan, in December. under flerce attack yester-

demic employed by the Aus- global reductions," he said, attacked as inflexible by Mr tralian government, said The EU position failed to Michael Grubb, a Londonthat the EU's policy for tackling climata change was

EU environment ministers are hoping next Thursday to finalise a plan to reduce greenhouse gas emissions by 10 per cent across the 15nation bloc by the year 2010 and by 15 per cent if other developed nations follow the

But Mr Fisher said the intensive industries would EU'e insistence that other simply move from developed developed nations agree sim- countries such as Australia Tha European Union's ilar cuts could block agree- which undertook reductions ment on a treaty to reduce to areas not burdened by emissions at international snch obligations. The negotiationa in Kyoto, answer, be said was to

not be the best to the long - cut their emissions too. Mr Brian Fisher, an aca- run for achieving lasting take account of the particular geographic and economic governmental Panel on Clichallenges faced by other mata Change, which developed countries.

Mr Fisher said Australia was particularly alive to the He urged the EU to agree to economic threat posed by its US proposals to incorporate Asian trading partners, such a system of tradeable emisas Korea, most of which will sion quotas into any agreenot face any obligations at ment reached at Kyoto. the Kyoto negotiations

reach agreement that would "Tha toughest policy may help developing countries to The EU position was also

> based member of the Interresearches global warming on behalf of governments.

environmental impact and efficiency of what is agreed." system would enable cuts to be made in the most costeffective manner possible, by allowing some of the reductions to be made in poorer countries where they were cheaper to achieve. Greenhouse gases cause global warming wherever they are

But Mr. Grubb also described Australia's desire for a "country by country. negotiation" on greenhouse gas reductions as impractical The EU argues that show willingness to make sacrifices of their own before

western nations must first "The quots trading is seeking to involve poorer He warned that energy essential for American signa; countries in such schemes.

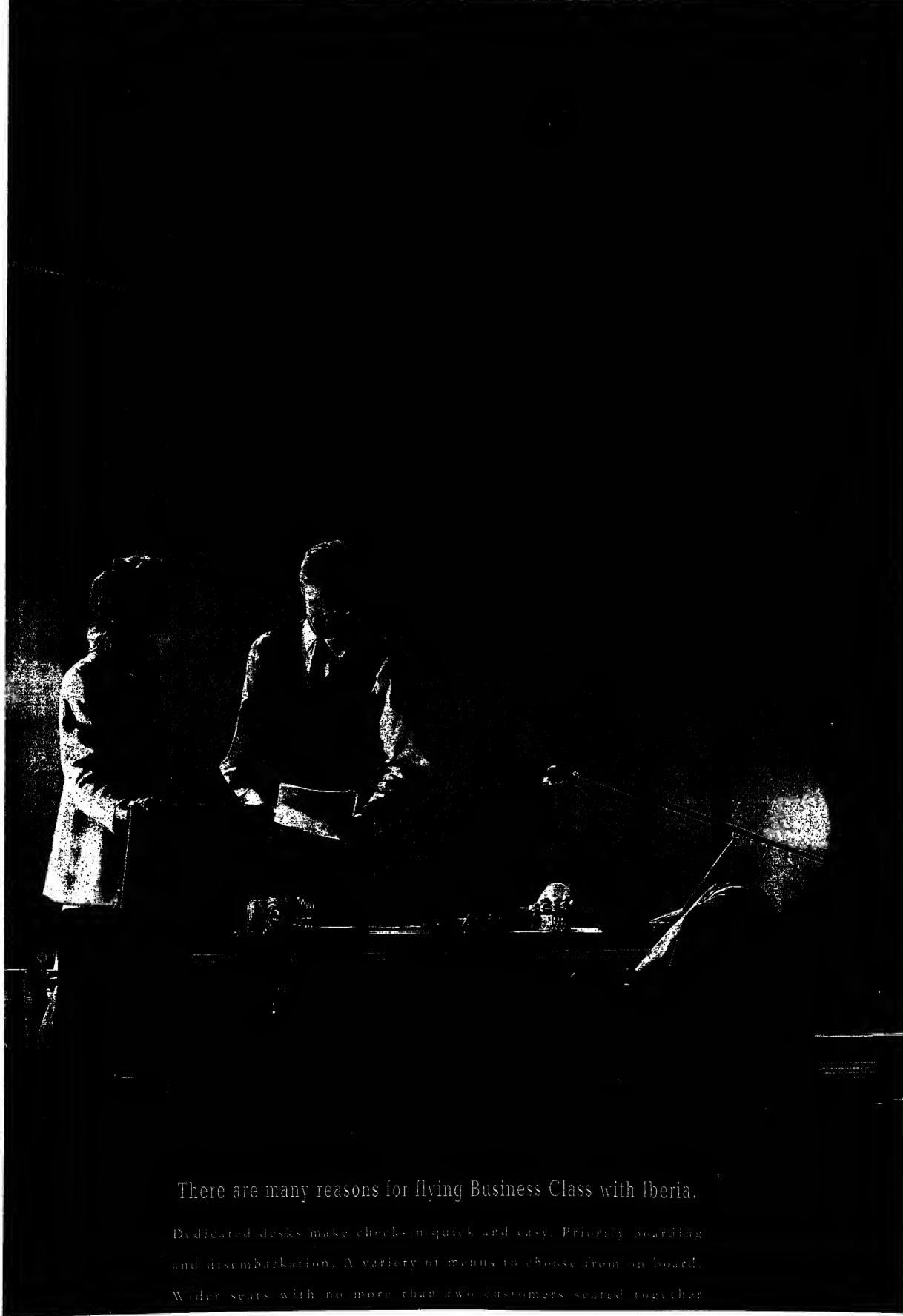


Furn 1 told of repression lun

FINANCIAL TIMES THURSDAY JUNE 12 1997 \*

W Sale talks st in Lori

lalibat deami reserve



for your pleasure mean you travel in comfort and arrive relaxed. All this, plus an excellent frequent flyer programme, make IBERIA Iberia's Business Class the only choice to Spain.

For more information, see your travel agent or call your nearest Iberia Office.

# Global telecom charges set to tumble

By James Kynge in Singapore

The cost of international telephone calls should fall faster on everage over the next five years than it has munication Union (ITU) said yesterday.

New technology, deregu-

international calls, which for pany incurs when a cus- be re-negotiated multilater- as the US, have wreaked some companies earn margins of several hundred per

"The hope is to create an equitable, cost-based system which is in agreement with over the last five, Mr Pekka market forces," Mr Tarjanne Tarjanne, secretary general said. "Even those rates of the International Telecom- which are the lowest in the per cent on international world at the moment are too

ITU officials explained lation and global competi- that "cost-based" means a world telecoms regulator at tion are combining to force margin of just several pertelecommunications compa- centage points above the tem of world tariff account-

tomer makes an international call. Even telecoms companies with a reputation for efficiency, such as Singapore Telecommunications. the biggest company listed on this city state's stock exchange, earn more than 20

Mr Tarjanne, who ends nine years as head of the the end of 1998, said the sysnies to cut tariffs on cost which a telecome com- ing was obsolete and should

by the Egyptian government,

backed by delegates from

African and Asian countries,

which accuses the director

tectionist strategy.

inherently flawed.

general of favouring a pro-

The developing countries'

response contends that Mr

Hapsenne's argument - set

out in his report on stan-

dards and globalisation pub-

ally over the next few years. havoc with the system. Compensation would need to be considered for less devel- more calls appear to origi-

Developing countries attack move to link labour standards to trade

Under the accounting rate system, telecoms companies pay a set amount to the telephone operator in the recipient country for the completion of a call. But now "callback" services, which nies. allow people to have their

This has meant that many

oped countries that were not nate from the US than actuready for rapid liberalisa- ally do, thus cutting payments from overseas telecoms companies. In the US in 1995, outgoing calls outnumbered incoming calls by 8.64bn minutes and US carriers paid out a net \$5.1bn to foreign telecom compa-

This prompted the US regcall "originate" from rela- ulstor, the Federal Commu- phony remains modest, it is tively cheap countries such nications Commission, to growing fast.

of around 50 per cent in its accounting rate, raising protests from many telecommunications companies around

Internet telephony, in which international voice calls are made over the Internet for the cost of a local call, is also challenging telecoms companies to cut international rates, company executives said. Although the volume of such tele-

proposal for an annual ILO

report on social progress,

saying it "flows from flawed

ILO would determine what is

the 'acceptable' level of com-

parative advantage and

which countries are convert-

ing the benefits of liberalisation into social progress."

The director-general's call for voluntary "social label-ling" of products to show

they were made in countries

with accepted labour stan-

dards was also rejected by

Mr Hansenne's suggestion

the ILO should carry ont

"reliable and legally inde-

pendent" inspections in

countries to see they are

apholding labour standards

"There is no empirical evi-

dence to anpport the view there is a link between trade

liberalisation and labour

standards", insists the docu-

ment. "The thesis that low

wages in developing coun-

tries are responsible for loss

of jobs and lower wages in

the developed countries has

been refuted by many

is also opposed.

the developing countries.

The implication is the

premises and linkages".

WORLD TRADE NEWS DIGEST

# Bulgaria acts on music piracy

Bulgaria, one of the world's largest sources of illogal compact discs, embarked on a crackdown on music piracy vesterday when its first court case against unauthorised CD production began. Mr Marko Mibnikov, owner of SMC, a compact disc production plant, was accused of breaching copyright law by supplying illegal COs during 1995 and 1996.

The case follows strong lobbying by the international Federation of the Phonographic Industry, which represents the world'e record companies. The IFPI urged the Bulgarian authorities to curb music piracy and in response Bulgarian police referred 83 cases of suspected copyright infringements to the prosecutor's office last year. In March the interior ministry staged a series of nationwide raids in which thousands of CDs were confiscated. The IFPI estimates that 15m illegal CDs are produced in Bulgaria each year, one in eight of those sold Alice Ratosthorn, London

#### Investment in Indonesia hit

Uncertainty in the run-up to last month's general election in Indonesia prompted a 36 per cent fall in the number of approved foreign investment projects in the first five months of this year, compared with the same period a

year ago.

The value of foreign investment epprovals in the first five months of this year fell 25.5 per cent to \$13.70n compared with the previous year. But the investment minister, Mr Sanyoto Sastrowardoyo, said the steep decline was only temporary and that foreign investment approvals were set to pick up again. "A drop usually occurs prior to the general elections [and is] nothing to worry about," he said.

#### Morocco agrees Efta pact

The European Free Trade Association (Efta), which groups Norway, Switzerland, Iceland and Liechtenstein has agreed a free trade pact with Morocco, the first with a North African country. Efta'e small but rich members aim to expand their network of free trade agreements in the Mediterranean region to ensure that their companies take part fully in the Euro-Mediterranean free trade zone initiated by the European Union and due to be completed by 2010. Efta states already have free trade deals with Israel and Turkey as well as with 10 central and eastern European nations. Negotiations with Tunisia are well under way and talks with Cyprus and Malta are due to begin later this year, according to Efta.

The accord with Morocco, due to be signed at Efta's regular ministerial meeting in Geneva next week, is 'asymmetric": Efta members will scrap duties and other trade restrictions immediately on entry into force while Morocco has a 12-year transition period and a variety of Frances Williams, Geneva

#### Bayer expands in Vietnam

Bayer, the German drugs and pharmaceuticals group, intends to broaden its operations in Vietnam. It plans to invest DM25m (\$14.4m) by 2001, mostly to bolster its presence in agriculture. It will manufacture of crop protection products in Vietnam for the first time and will increase output of animal medicines.

Bayer already makes pharmaceuticals for human use in Graham Bosoley, Frankfurt

# EU appeals against WTO banana ruling

By Frances Williams

The European Union yesterday appealed against a World Trade Organisation ruling that its banana import regime violates fair trading rules.

The panel report, circulated to WTO members last month, upheld a complaint by the US, Ecuador, Guatemala, Honduras and Mexico that the regime against their producers and banana marketing companies. The WTO's appeals body must make a definitive • The WTO's balance of ruling within 90 days.

The EU's complex banana can, Caribbean and Pacific (ACP) countries under the Lomé Convention. Caribbean states say their bananadependent economies face calamity if these privileges are dismantled.

tries which are covered by a years. WTO waiver granted in 1994. However, it found fault with various aspects of the licenimport quotas are allocated. binding unless WTO mem- to short-term credit.

bers decide by consensus to reject them. Two panel reports by the WTO's predecessor, Gatt, also found against the EU's banana import regime but Gatt's weaker dispute settlement procedures allowed Brussels to block any remedial

action. If the WTO's appellate body rules against the EU, as most trade experts expect, the EU will have to comply with its recommendations. unfairly discriminated or compensate trading partners for trade losses or face WTO-authorised trade sanc-

payments committee considering a timetable for elimiimport system, introduced in nating India's import con-1993, grants privileged trols yesterday decided to access to bananas from Afri- adjourn "for a period of reflection" after India and its western trading partners reached stalemate. The meeting, due to resume on June 30, must bridge the gap between India's proposal for re dismantled. a nine-year phase-out and The WTO panel did not the demand of the US, EU take issue with dnty-free and others for a period of no preferences for ACP coun- more than two or three

• The US warned Brazil yesterday that it was considering a WTO challenge to sing system under which new import financing globalisation." The governrestrictions which have Appellate body rulings are reduced access by importers



Michel Hansenne: accused of flawed arguments

World Trade Organisation own right "as an integral Singapore conference that part of the social progress of trade and Isbour rights societies, recognising them should be dealt by the ILO. The response document

lished earlier this year - is argues that developing coun-"It [Mr Hansenne's report) internationally recognised introduces an untenable link core labour etandards as long as these are "volunbetween labour standards tarily ratified" by states, Mr and trade which we do not accept," says the document. The ILO has no role with regard to the multilateral signed the conventions. This trading system nor is it mandated to promote or impede ments involved do not want to developing countries. The ILO should pursue the ILO to take on the role suggested after last year'a

as benchmarks in the process of development", argues the document. The ILO tries remain committed to should assist in the progressive attainment of higher standards of labour welfare by focusing on all areas of its work - standard setting, Hansenne wants an exten- technical co-operation and sion of those standards to analysis of labour trends countries which have not giving due regard to the stage of social and economic would set "an unacceptable development reached by legal precedent", according each country, the document

It also describes as "unac-

labour standards in their ceptable" Mr Hansenne's

authoritative analyses," the response says.

During the conference, industrialised countries have

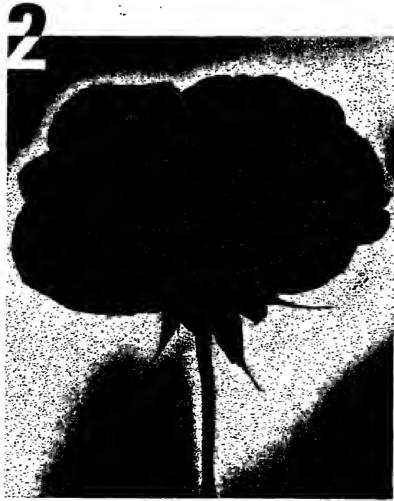
generally expressed support for Mr Hansenne's main proposal - that ILO members should commit themselves to core labour standards in a solemn declaration next year and agree a suitable moni-

# SIEMENS **NIXDORF**



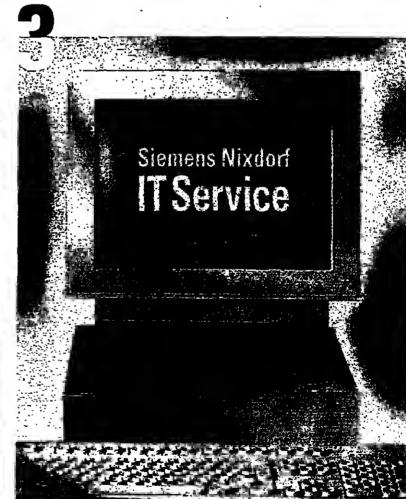
# Avoid system downtimes...

Your DP network has become the lifeblood of your organization. Its performence stands and falls with its availability. The old adage applies here too: "An ounce of prevention is worth a pound of cure." Potential sources of trouble have to be identified and avoided early on in order to prevent serious outages with all their consequences. But this nacessitates highly specialized expertise and ongoing system monitoring. Effort end expense that you can and should avoid.



# with our operational services...

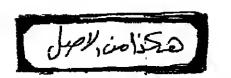
The better option is to put the responsibility in the hands of the specialists from Siemens Nixdorf. Bacause they're experienced in automated, preventive remote or on-site problem identification and resolution. They intervene before the network ever goes down, while also taking all of the other system-related tasks off your hands: From and-user support to software and deta management to complete administration of your IT operations.



# for information technology without the thorns.

So you can concentrate on the challenges of your market and leave the support of your systems and networks to Siemans Nixdorf IT Sarvice. Our specialists have the crossvendor know-how that's naaded to offer you custom-tailored service for greater afficiency. To assure you information technology without the thorns. For more information, simply fax this ad to us at +49-89-636-45579. Don't forget to add your name and address!

# Siemens Nixdorf: User Centered Computing



ien to res

hordered.

# Sinn Féin is given final chance for talks

By John Kampfner in London and John Murray Brown in Dublin

ER TERRES

\$4-5-5-64 - -- -- --

alif-l-gy

STEEL STEEL STEEL

1-1-2- ---

رواء بياك

mak make a real control

Profes and

. يېزىخىدۇ

ين بيب فض

ANGELSTE OF N.

4 35 1 . ...

man to the

99-30 %

த புக்க கூட

Same of the same

演講像 新海動品の シール 医成物点的

Barrell Control

PREPRENE OF THE STATE OF

The UK government yesterday gave Sinn Féin a final chance to secure a ceasefire from the Irish Republican Army and insisted that it wanted a constitutional settlement for Northern Ireland agreed

by next May.

Ms Mo Mowlam, chief minister for Northern Ireland, said in the House of Commons that multiparty negotiations chaired by Mr doing that at all I am minded to George Mitchell, the former US Senate majority leader, were in firmed that Sinn Fein had asked danger of "running into the sands". The talks resumed last week after

Brown aims at

2.5% target

for inflation

Robert Chote examines the

tries have adopted for-

mal targets for infla-

tion in recent years, usually

because attempts to target

the exchange rate or money

supply have ended in igno-

Britain is no exception: In

his first Mansion House

speech tonight, Mr Gordon

Brown, the chancellor of the

exchequer, will have the lux-

approach to inflation target-

ing. He has already revolu-

tionised monetary policy-

making in Britain by

surrendering control of

interest rates to the Bank of

England, the UK central

bank, He will, bowever, con-

tinue to set the precise infla-

tion target which the Bank

Mr Brown's reluctance to

concede "goal independence"

to the Bank is in contrast to

the attltude of most other

inflation targeters. In Aus-

tralia. Sweden and Finland

the target was announced by

the central bank without

explicit government endorse-

ment. In New Zealand and

Canada It was agreed by the

Mr Brown said be will con-

ceotral bank and finance

By Robert Peston and

A tough system for holding

the governor of the Bank of

England personally account-

able if he fails to meet the

Each time inflation is I per

Wolfgang Münchau

is obliged to pursue.

minious failure.

dilemmas faced in setting a rate

everal industrial coun- from the target inflation

ury of outlining bia keep inflation between 1 and

measure include government

subsidies, house prices, big

import price changes and

The choice of the target

level is more problematic.

Under Mr Kenneth Clarke,

chancellor in the former

Conservative government,

the long term target was set

at 2.5 per cent or less, in the

expectation that this would

4 per cent most of the time.

metry of the "2.5 per cent or

below" formulation. Mr Mer-

vyn King, the Bank's chief

economist, has argued that

this is operationally equiva-

lent to targeting a specific

rate of inflation alightly

below 2.5 per cent so that

the target is met on average

central bank with credibility

to establish might regard 2.5

per cent as a ceiling, rather

as the Spanish inflation tar-

get is interpreted (although

It has never been hit). It

might therefore err on the

side of caution by targeting

But Mr Brown is keen the

economic growth unneces-

year in his annual Budget wishes undershooting to be The Finns favoured a spe-speech, but he will lay out discouraged as much as cific point target because

effect immediately, following

last month's transfer to the

Bank's newly created mone-

tary policy committee of con-

trol over interest rates. Mr

Brown is also expected to

announce that his first infla-

tion target - subject to revi-

sion in future hudgets - will

his thinking tonight. In overshooting. This suggests they felt that people would has decided to set a single

other countries, omissions setting the target as a range expect the authorities to aim point inflation target. But

firm the inflation target each sarily and be therefore Finnish option in 1995.

a still lower inflation rate.

But a newly independent

over the long term.

One problem is the asym-

volatile items".

almost a year without progress. Ms Mowlam said it was still the government's desire to have Sim Féin, the IRA's political wing, at the peace talks but only if there was an unconditional ceasefire and

a clear commitment to democratic

principles.

Describing recent talks between government officials and Sinn Fein as "clarificatory", Ms Mowlam told MPs: "We will not go on indefinitely. We have no intention of have one more meeting." She confor further talks on Tuesday. "Sinn Féin have been put on

them, and we're not bluffing."

traditional summer marching season, ministers are becoming exasperated at the lack of movement by the IRA and Sinn Fein.

tions of Mr Tony Blair soon after month. Two preliminary meetings unequivocal ceasefire to join the were held, ostensibly to sound out talks - and by making those talks the prospects for an end to vio-lence, but British officials detected notice that it will oot allow the no flexibility from Sinn Féin.

bounded at both ends (as in for the ceiling of a range

sion of unease with gov- a 1 to 4 per cent inflatioo

ernment policy, Sir target because of the

Terry Burns, the Treasury unavoidable economic dis-

should aim at an inflation reason behind the discrep-

of London sharply divided rise to distortions in unemover the impact on inflation ployment statistics.

The Finns favoured a spe-thing about them.

Research by the Bank also

suggests that there is only a

50 per cent chance of hitting

expressed support for the tion away from the target around which the Canadian,

once it is too late to do any-

ancy was the fading impact

of the Johseekers' Allow-

ance, which was introduced

last October and which gave

The introduction of the

JSA, under which claimants

In the end, the chancellor chose 2.5 per cent.

New Zealand) or a specific rather than its mid-point.

rate (as in Finland).

n a rare public expres-

Bank should not constrain permanent secretary, turbances which push infla-

Burden to rest with central bank chief

The tough monetary policy tionary stance, Mr Brown expected unemployment to arrangements will take has decided that the Bank fall by almost 40,000. The

"point" rather than a range.

UK unemployment has

fallen to the lowest level for

seven years, leaving the City

Claimant memployment

and interest rates.

senior UK official. "It'a over to dealing with substantive issues in Dublin. September and to be wrapped up With despondency on both sides by May 1998. A deal agreed by the of the sectarian divide ahead of the parties would have to be ratified at Northern Ireland capital, appealed Westminster and in a referendum

"This is the time when we hope a settlement and final vote and refer-Contacts resumed on the instruc- endum could be held," she said. By setting a deadline for Sinn he became prime minister last Féin to meet British terms for an IRA to derail moves to devolve Ms Mowlam said she wanted the more powers to Northern Ireland,

within Northern Ireland.

very firm, full, final notice," said a multi-party negotiations to begin allowing limited involvement by Meanwhile, Mr Alban Maginness

the Lord Mayor of Belfast, the for community leaders to show restraint following the killing of Mr Bill "Basher" Bates, a former anti-republican "loyalist" terrorist, who was released from prison last October. Security officials said the killing of Mr Bates, who was known as the Shankill Butcher and had spent nearly 20 years in jail for some of the most horrific murders witnessed in Northern Ireland. may have been the result of a

**Anti-EU** 

contender

is urged to

quit race

Political Correspondent

Mr William Hague, one of the three remaining candi-

dates for the leadership of

the opposition Conservative party, yesterday sought to beef up his campaign by

allowing his lientenants to

call for the withdrawal of

Mr John Redwood, the sole

contender of the fiercely

Mr Hague's camp insisted

that Mr Redwood, who came

third in the first round of

the contest on Tuesday, had

no chance of winning and

should quit the race, in

which voting is restricted to the party's MPs. The Hagne

campaign was strengthened

late on Tuesday when the

two lowest-scoring of the

They were Mr Michael

Howard, who was home sec-

retary in the Conservative

government ousted on May

1, and Mr Peter Lilley, for-

mer chief social services

minister. Mr Hague, who at

36 the youngest contender,

was Mr Redwood's successor

as chief minister for Wales

in the government of Mr

John Major. Mr Redwood

left the government in 1995

to challenge Mr Major for

the party leadership and

Mr John Maples, a leading

figure in Mr Hague's cam-

paign, insisted yesterday

there was "no way" that Mr

Redwood - who scored 27

votes out of 164 - could win.

I think it would be in the interests of the party quite

bonestly to eettle this as

quickly as we can and that could be done next Tuesday if he would stand down," he

Mr Redwood retorted hy

claiming that Mr Hague -

who scored 41 votes - was a

vague" politician whose

views on a range of issues

Mr Hague's progress has

been patchy. Seen well

before the May 1 general

election as the long-term choice, his prospects

increased markedly when Mr Michael Portillo, former

chief defence minister, lost

his seat in the Commons

and Mr Michael Heseltine.

the former deputy prime

minister, withdrew from the leadership race because of

Referring yesterday to the possibility of sterling enter-

ing a single currency, Mr

Redwood said: "William

hopes the problem will go

away. Emu may never fly,

but nor will an ostrich Con-

servative party."
Mr Kenneth Clarke, who

were unknown.

said.

illness.

they would support it.

Eurosceptic right wing.

UK NEWS DIGEST

# Call for EU tax on aviation fuel

The government is to call for a tax on aviation fuel across the European Union as part of its commitment to limit greenhouse gas emissions. MPs were told yesterday that the government would support moves by the Dutch presidency of the EU to consider Europe-wide action.

But Ms Angela Eagle, a junior environment minister, said it was important to press for international agreement so as not to disadvantage UK industry.

Mr John Gummer, who was chief environment minister in the former Conservative government, said in the House of Commons yesterday: "We have to start in Europe - we have to start everything in Europe. The EU is crucial to the future of the environment.

Under an international agreement, aviation fuel is cur-David Wighton rently exempt from tax.

RAIL LINKS

### New station for Luton airport

Constructioo will start next month on a £12m (\$19.5m) rail station to serve the rapidly growing Luton airport to the north of London, Railtrack announced yesterday. Railtrack owns the infrastructure of the former state rail network. The station, the higgest to be huilt in Britain for many years, will have airport check-in and baggage handling facilities and parking space for 1,000 cars. It will be on the Midland Main Line 1.6km couth of the existing Luton station, five minutes from the M1 motorway.

It is intended to open in a year and will provide direct links to the City of London, Gatwick airport and Brighton on the south coast of England. The cost of the new etation will be met by Railtrack with the help of a £2.5m govern-

■ PETROL RETAILING

### Watchdog probes pricing policies

The Office of Fair Trading is to investigate allegations of predatory pricing of petrol by Exxon's Esso subsidiary through its PriceWatch scheme. The investigation will be part of a general inquiry into petrol retailing. The OFT has appointed National Economics Research Associates, the independent consultants, to survey industry participants and consumer groups to determine the effects of low-cost supermarket outlets.

Esso's response has been PriceWatch, in which its dealers are allowed to sell petrol at prices as low as other local competitors. The OFT move was welcomed by Esso retailers, who say that the company has passed the costs of price competition to them by raising rents sharply and cutting margins on each litre of petrol sold, Mr James Frost, chairman of The Frost Group, the UK's biggest independent wholesaler and retailer, called the review long overdue". Institute of Petroleum figures show that 1,496 sites run by independent retailers closed in 1996, the first full year of PriceWatch. "I predict a further 1,500 closures in 1997," Mr Frost said.

STATE HEALTH SERVICE

### Hospitals warned on emergencies

The head of the state health service yesterday ordered hospitals not to close to emergencies next winter and warned that the service might be facing its toughest year financially for a decade. Health authorities and trusts, who on provisional figures overspent by more than £300m (\$489m) last financial year, must balance their books this year, Mr Alan Langlands, chief executive of the National Health Service, told the annual conference of the Institute of Health Services Management. That "will require some very tough decisions oo priorities", be said. The warning implied a further sharp increase in the already rising waiting times for non-emergency operations, jeopardising the Labour government's commitment to take 100,000 patients off waiting lists.

**BCCI COLLAPSE** 

### Liquidators' fees reach \$218.7m

Some \$218.7m in fees has been paid to liquidators of the collapsed Bank of Credit and Commerce International. according to their latest report to the government. The liquidators at the accountancy firm Deloitte & Touche were paid \$15.1m in the fifth year of the liquidation to January 15 1997 compared with \$16m in the previous year. Fees have dropped in recent years as litigation has replaced investigation. Creditors have begun to receive dividends from the liquidation - so far up to 24.5 per cent amounting to \$2bn. Further dividends are expected. BCCI collapsed in 1991 with debts of more than \$11bn following the higgest fraud in banking history.

**■ LLOYD'S OF LONDON** 

### Bankruptcy order for Name

Lloyd'e of London has served a bankruptcy order on a former Name who refused to pay his debts to the insurance market. Mr Brian Rowlands, a company director who owns several betting shops in north-west England, owed Lloyd's £62,000 (\$101,000) hut did not accept the terms of the society's recovery plan last year. He was one of about 1,000 Names who have recently received writs from Lloyd's, which is seeking to recover £830m in unpaid debts. "We believe he has the funds to settle his debts, but he says he hasn't the money to do so," said a LLoyd's offi-Christopher Adams

■ INVESTMENT

# Pressure container plant planned

MTK Containers, owned by the Geneva-based investment company MTK Holdings, is to build a factory on a 2.5ha site in the north-east England city of Sunderland. The plant will manufacture stainless steel pressure containers for the bulk distribution of liquids. MTK, which will begin production by April 1998, is intended to become a leading global supplier. The British government is giving £750,000 in state aid towards the project, which is receiving a similar amount from economic development bodies in the

**CONTRACTS & TENDERS** 

REPUBLIC OF TUNISIA

MINISTRY OF EQUIPMENT AND

HOUSING

Unité de Réalisation de la Cité Olympique

7 Novembre 1987 à Radès

International Tender No 08

Postponement of closing date

The Housing and Equipment Ministry's Unité de

Réalisation de la Cité Olympique 7 Novembre 1987,

informs parties involved with international tender No

08, relating to the technical control of the studies and

construction of a 60,000-spectator football stadium at the

Cité Olympique, Radès, that the closing date initially set

for June 17, 1997, has been postponed to June 24, 1997.

# Battle lines drawn on electricity competition

# The energy minister is to meet privatised companies to press them on progress, says Simon Holberton

r John Battle, the energy his reputation at stake as well as demonstrating his commitment to electricity competition for the country's 25m consumers when he takes the chair at today's emergency eummit with Britain's 14 electricity suppliers.

Mr Battle has made clear to the industry and its regulator, Professor Stephen Littlechild, that ba takes a closa interest in energy competition.

One of his first ministerial decisions was to call for a review from Prof Littlechlld of progress in bringing competition to the electricity industry. The review made public what everyone already knew - that only a handful of companies would be ready by April 1 next Mr Battle's interest, but they doubt needs a good project manager and

minister, will be putting fle to the starting line in the months that follow.

The minister insisted that the review'a findings be made public and that the names of the companies bolding up the 1998 initiative be published. Government officials said the regulator was acting on ministerial orders and that Mr Battle was keeping a close eye on how he performed.

Such a high profile commitment to the competition initiative is something his predecessors in the Conservative government avoided. They were content to leave the issue - and responsibility for its success or failure - in the hands of the regulator and the companies. Industry chiefs have welcomed

much more than an exercise in has neither. The question is: does exhortation. Mr Battle appeared to prejudge

the outcome of the meeting when he issued his invitation on May 18. to the competition initiative are He said then that he wanted "to primarily the result of the complexbear their comments on [Prof ity of the information technology Littlechild's proposals] and assur- needed by the project. ances that they will play their full part in making sure this plan

One industry chief says: "I think the risks he is running are very considerable. He's asking us to agree to Littlechild's plan but how does he know the plan will work? What's his mechanism for ensuring that in a month's time we're still on track?

"This is a major project that

anyone have the courage to tell Battle that on the 12th?"

Offer, the regulator, says delays

owever, IT professionals say they are being made the scapegoats for a poorly specified and led project.

"I would not blame the technology," says Mr David Ingram, senior manager at Cap Gemini, the IT consultancy responsible for a number of big electricity projects. "It is the lack of direction that is causing

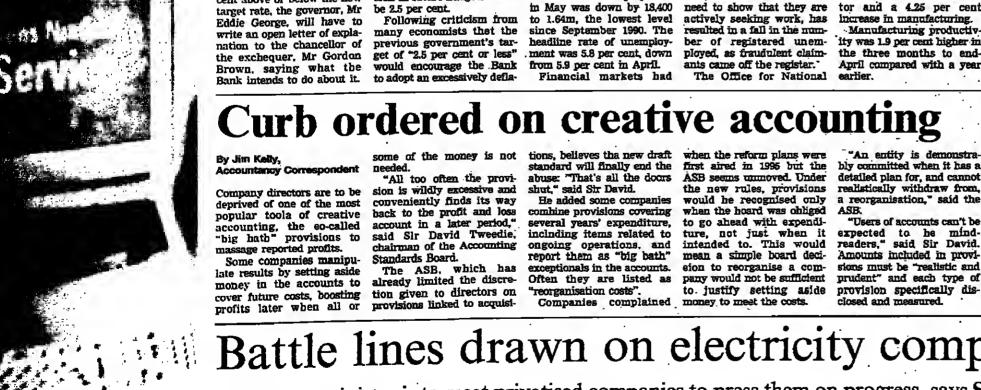
people to flounder." As if these problems were not

year and that the rest would shuft that the meeting is going to be a credible project plan: it currently enough, this week's report on the market power of the big generators by London Economics, the consultancy, has given Mr Battle further food for thought.

· It said electricity competition would fail to deliver gains to retail consumers unless National Power and PowerGen, the privatised generators, were forced to sell more generation equipment.

It also said the two should be stopped from making long-term contracts with electricity suppliers because these deals may inhibit competition in generation and lock in high-priced power for consum-

But London Economics' warning about developments in the contract market is something Mr Battle may well want to monitor.



"Users of accounts can't be expected to he mind-readers," said Sir David. Amounts included in provisions must be "realistic and prudent" and each type of provision specifically disclosed and measured.

### bly committed when it has a detailed plan for, and cannot realistically withdraw from, a reorganisation," said the

removing "or below" from

the "2.5 per cent or below"

formulation may look like a

loosening of the target to

which financial market pur-

He was tempted to reas-

sure the purists by setting

the target at 2 per cent -

Swedish and Finnish targets

are centred - but in the end

Statistics said vesterday that

the change in the benefit

regime no longer affected

the unemployment headline

Other data released yester

day included average earn-

ings, which went up hy 4.5

per cent during April This

was made up of a 4.75 per

cent rise in the service sec-

tor and a 4.25 per cent

increase in manufacturing.

Manufacturing productiv

the three months to end-

Anril compared with a year

ists might object.

led the first ballot on Tuesday with 49 votes, yesterday appeared to be building on his marginal lead amid speculation that some MPs who supported Mr Howard and Mr Lilley in the first round would vote for him.



government's inflation target will be announced today. cent above or below the new

A ....  $\int_{0}^{\infty} \frac{dx}{dx} \, dx \, dx = \int_{0}^{\infty} \frac{dx}{dx} \, dx$ 4 gart 1 carr



### TECHNOLOGY

inema audiences across Europe will soon get a chance to see Steven Spielberg's The Lost World, the sequel to Jurassic Park, which broke box-office records when it opened in the US last month.

On-screen is yet another battle between dinosaur and man- offscreen the film's sound system is engaged in a battle for the next generation of cinema sound for-

In the same way that the music industry has moved from analogue vinyl LPs to digital compact discs, so cinema sound is moving into the digital age. These new multi-channel digital sound formats can produce amazing sound effects - spacecraft can appear to scream across the auditorium. But the film industry is faced with three different and incompatible digital sound

It is all a far cry from the early days of cinema. Attempts were made to link the film projector with a gramophone record, but the results were often less than successful. The breakthrough came in the late 1920s, with the arrival of optical sound recording, which records the soundtrack photographically along the edge of the film. A special reader inside the film projector converts the optical soundtrack into an electrical signal, and the system is atill widely used today.

Experimental stereo sound tracks were produced during the early 1930s, and in the latter part of the decade, Walt Disney produced the film Fontasia, with multi-channel stereo sound. But Fantasia proved to be the exception rather than the rule. Stereo sound was largely ignored by the film industry, although it was briefly revived in the 1950s with the advent of wide-screen formats

sucb as Cinemascope. In 1976, the Californian audio company Dolby Laboratories introduced a system that revolutionised cinema sound. Its Dolby Stereo system uses the optical recording system to record fourchannel sound - left, centre, right and surround - on to a 35mm film optical stereo soundtrack. The system works by blending the two extra tracks with the conventional left and right channel stereo channels. A decoder then unmixes the four channels and feeds them to analogue system achieves a speakers around the cinema. Doiby Surround sound bas become the de facto standard for analogue cinema sound, and more than 7,000 films have used the system.

During the 1980s, there was a growing interest in cinema not been problem-free. In 1990, sound. "People were getting more Kodak and US-based Optical



Window shopping: the screams in The Lost World are all the more realistic with digital sound

George Cole reports on the different digital audio systems slugging it out in cinemas around the world

# Sounds like a standards battle

educated and actively seeking theatres that offered good sound," says Steve Taylor, chief executive of the California-based Dimension Audio. LocasFilm, the company behind the Star Wars films, introduced a new cinema standard called THX. These cinemas have amplifiers, speakers and acoustic properties that conform to a minimum standard.

In the 1980s, companies were also developing cinema digital sound systems: "The existing sound quality that is probably good enough for most people. But digital is a sexy word and that's what the public now expects," says Ioan Allen of Dolby Labora-

The shift to digital systems has

tional optical soundtrack with digital andio. Film companies to work with two sets of film prints - one for theatres with CDS equipment, and another for those without - and so CDS died.

In contrast, all cinema digital of the film print. sound formats share one common feature: they are fully compatible with modern analogue sound systems. They also leave the conuntouched and use it as a mentioned above, plus left centre fails. The digital systems use readers that can be attached to most existing 35mm film projec-

The Dolby Digital system offers

Radiation introduced Cinema right, left surround, right sur-Digital Sound (CDS), but it round and super bass - which worked by replacing the conven- are kept separate or discrete, giving the sound more focus. Dolby Digital uses a reduction system and cinemas did not like having to shrink the amount of data that needs to be stored on a film print. The digital soundtrack is squeezed in the space between the sprocket boles down the side

Sony Cinema Products Corporation has developed its own system, Sony Dynamic Digital Sound. This offers no fewer than ventional optical soundtrack eight channels of sound - the six back-np if the digital system and right centre channels which are placed on two continuous strips along the film edges. "Having the extra channels means that film mixers and directors can really let their creative

creating the film soundtrack," says John Scarcella of Sony Cinema Products.

The third system, from Digital Theater Systems (DTS) harks back to the days when gramophones were played in cinemas. Whereas Dolby Digital and the Sony system place the digital soundtrack on the film print, DTS puts a six-channel soundtrack on to a CD-Rom. A timecode is photographically printed on to the film, giving each frame a unique identity number. When the film is projected, the DTS timecode is scanned by a reader and fed to the CD-Rom player. The time code synchronises the sound and pictures.

Chris Hollebone of DTS Europe says there are advantages in keeping the digital sound separate from the film: "If the film print gets damaged, the sound-track can suffer." Having the soundtrack on a CD-Rom also means that it easy to press discs with different languages - DTS has sold well in India, a multi-

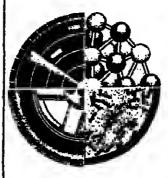
language country.
But Hollebone admits that there is still some resistance to handling two sets of media - film and CD-Rom - and there have been a few occasions when discs have been lost. But this has not stopped DTS from becoming the leading cinema digital sound format - putting the system on films such as The Lost World and Jurassic Park has belped to establish the format.

DTS claims that its system is installed in more than 10,000 cinemas around the world: Dolby says its system is in 9,000 theatres, and the Sony system is claimed to be in almost 4,000. A DTS system is also much cheaper to install - prices start from about \$6,000 (£3,708), about half the cost of the competing formats. Even so, most expect the film industry to stick with the three competing formats because all have strong supporters.

But are today's digital formats the ultimate in cinema sound? Allen believes so: "In a cinema you don't want to distract the andience from whet's on the screen, and extending the sound possibilities could do this," be

But Dimension Audio has developed cinema-sound systems with up to 48 channels. The company uses multiple speakers to create what it calls a "sound tapestry". Each speaker is described as a "sound pixel", which - like the pixels on a television screen - forms part of a larger image, although in sound rather than video. "Yon're talking about a total immersion in sound," says Taylor. "It's all about making the six sound channels - left, centre, juices flow when it comes to cinema experience even better."

# Worth Watching · Vanessa Houlder



#### An even sweeter spot for tennis

A former professional tennis player, Marshail McMahon, has designed a technique for stringing tennis racquets, which aims to enlarge the "sweet spot" - the small area at the centre of the racquet bead which gives the best ponse when the player hits

the ball. The Starmaker system consists of locks that fit into the holes in the racquet bead and which hold each string tightly in place, allowing each of them to be strung independently at a different tension. When all the strings are at their optimum tension at settings calculated by computer - the area of the

sweet spot is greatly extended. Cogito, the maker of the system, says its advantages include greater tolerance of off-centre shots and a reduction in the high-frequency vibrations that may exacerbate problems such as tennis elbow. It also allows the player to combine spin and power. Cogito: Monoco, tel 37793256169; mmo racquetscience.com

#### **Background noise** on borrowed time

The continuous hum of air-conditioning can be intensely irritating, ABB Flakt Products, part of ABB Engineering, has tackled the problem with a computer-controlled sound reduction system which uses

sound waves to counter the effect of other sound waves. The "anti-noise" technology can reduce noise levels by up to 10 decibels. It is particularly suited to relatively low-frequency noise, which has been difficult to deal with using

available technology. The noise at the fan outlet is

measured using a microphone. A signal is sent to the computer, which calculates the signal required to cancel the original noise, which is then emitted through a loudspeaker. ABB Flakt Products: UK, tcl (0)1203 368500; fax (0)1203 364499.

#### Liposomes give sensors an edge

Researchers at Sandia National Laboratories in the US are working on an ultra-sensitive sensor capable of detecting contaminants at a concentration of 1:1bn. It could he used for tasks ranging from testing water purity in microchip factories to testing saliva for viruses.

The technique relies on the high sensitivity of microscopic fatty particles, called liposomes, to metals and other substances. The researchers trap the liposomes in "sol-gels" a type of lightweight, silica-hased material - where they become more stable and more sensitive.

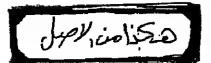
The Sandia researchers are working on liposomal sensors that will be able to detect minute concentrations of lead. mercury and chromium. Sandia National Laboratories: US, tel 5058445199; www.sandia.gov

#### **Cushioning the** impact of epilepsy

People who suffer frequent attacks of epilepsy may have to wear protective headgear to protect themselves when they fall. But the usual protective devices - helmets with chin straps - are conspicuous and often unacceptable to the user.

A final-year student on a product design engineering course run by Glasgow School of Art and the University of Glasgow has designed a thin, lightweight cap made of carbon fibre that can be readily concealed by a hat or cap. Sensors are attached to the patient's bead, which monitor electrical signals in the brain. When a seizure occurs, the change in the signals triggers the inflation of a small airbag contained within the carbon fibre cap, which cushions the impact with the ground. Glasgow School of Art: UK, tel (0)141 3534614: e-mail b.wood@gsa.ac.uk

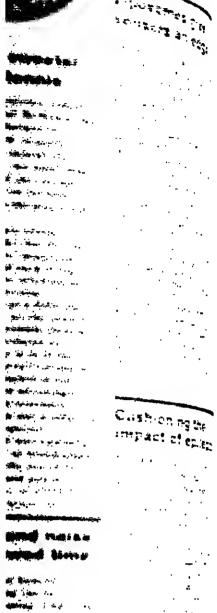




A1 15304

A SERVICE

- A- -



state in the Mak was the Burnet A. V. Str. A. ..



Cinema/Nigel Andrews

# The delights of drag

of passage for any actor fancying himself as a light comedian: Cary Grant (I Was A Male War Bride), Jack Lemmon (Some Like It Hot), Dustin Hoffman (Tootsie) and others bave cross-dressed to international merriment.

By contrast, when women gender-bend it has a twang of the bizarre, the erotic: funny-piquant as well as funny ha-ha, from Dietrich in Morocco to Shirley Temple in Captain January, whose alluring precocity in trouser roles steered film critic Graham Greene towards famous legal doom.

The Square Circle may be the first film to split its story evenly between two forms of travestie male-female and female-male Low on dull plausibility, this Indian movie is high on parable, adventure and charisma. Kidnapped from her family by e brothel-keeper, twice gang-raped and stoned on returning to her village, the film's heroice (Sonali Kulkarni) still manages to look like the subcontinent'e answer to Olivia Newton-John. Even when wearing trousers and a fetching moustache, she is e sight for tired eyes.

The secret must lie in the eupportive friendship of the transvestite troubadour (Nirmal Pandey) she meets on a riverbank. This soft-spoken charmer, e sort of Bing Crosby in a eari, pereuades her to dress in man's clothes, partly to discourage further Sabine incidents and partly to promote his and the movie's affirmative line in gender radical-

"Where Bollywood meets Satyajit Ray," proclaims the publicity for this hugely likable, sitarhappy tale. Directed by Amol Palekar from a script by Timeri Murari, an Anglo-Indian who honed his liberalism as a Guardian features writer, the film puts the melos back into melodrama and the sense (and sensitivity) into sensationalism. While racing between hairsbreadth 'scapes, the

be new Garsington Opera

season kicked off on Mon-

day, not with a bang but

amid a multiple roar. Le

pescatrici ("The fisherwomen"), a

gentle, unassuming 1770 opera by Haydn, never had to contend with

an angry buzz of strimmers from

neighbouring yards, let alone a pri-

vate plane doing repeated flyovers.

One expected an imminent kami-

some kind of deal had been struck.

and Mozart proceeded in peace. Just

as well: opera patrons might have

had unsuitable ideas about where to deposit their rubbish when depart-

ing. Yet the problem is still simmer-

ing away; Leonard Ingrams' village

neighbours should not be branded

philistines because the open-air

opera irks them, night after summer

night - too loud and close-by to

ignore, too obliquely distant to hear

The eituation is pure Beverly

Nichols, though only older readers

will remember him. I foresee new

difficulties when Richard Strauss's

Dic agyptische Helena is added to the

repertoire in 10 day'e time: Strauss

makes e great deal more noise than

Le pescatrici was in fact somewhat muted, for its leading lady Patricia

Bardon had lost her voice. She

mimed ber role on stage while Lore

Lixenberg sang her arias (rather

cautiously) from somewhere else,

and - bizarrely - a gruff baritone

voice delivered her recitatives from

the pit. It did not matter so very

Haydn or Mozart.

By the next night's Cost fan tutte

ender-bending is a story still finds time to fill out perhaps when women don male popular movie two characters, a landscape - drag strictly for instructive satdevice, almost a rite rocky sierras and bleak broad rivers - and a sense of the rich

fragility of sexual identity. If The Square Circle breaks new ground with its two cross-dressers for the price of one tale, The Associate gives us another possible first. The beroine (Whoopi Goldberg) drags up with no erotic frisson at all, nor any attempt at such. Persuaded that she cannot succeed on patriarchal Wall Street without a male partner,

> THE SQUARE CIRCLE Amol Palekar

THE ASSOCIATE **Donald Petrie** 

> **JOHNS** Scott Silver

MAMMA ROMA Pier Paolo Pasolini

TRIGGER HAPPY Larry Bishop

THE SHADOW CONSPIRACY George P. Cosmatos

preferably white, investment broker Goldberg invents and imper-

Forget, as in the Indian film. dull probability. After hours in a gay friend's makeup room, Goldberg emerges looking like a genetic-engineering accident involving Marlon Brando and a rhinoceros - yet still le tout New York is taken in by the epiphany. With its bred-in-the-bone male chauvinism it acclaims this man of the hour, and never mind the woman who put him there.

Theoretically a comedy, The Associate is about as funny as being hit over the head with the works of Shere Hite. Perhaps you cannot combine hilarity with so burns up the screen. Pasolini much feminist preachiness. Or choreographs a fabulous dance of

ire, we feel cheated of that richer reverb that female-male crossdressing can carry - but that is probably as politically incorrect as the other targets here under

tedious attack.

Sexual certitude is up for grabs all over the place. With enchanting innocence the Society of Film Distributors, in their weekly press show listing, print the title of Scott Silver's Johns as "John's". Clearly unfamiliar with the slang American term for a mals prostitute's clients, they have assumed it is the genitive case of a gospel saint though this is easy to do in an era where martyr hustlers clog up the screen from My Own Private Idaho to Hustler White.

John and Donner (David Arquette and Lukas Haas) are Midnight Cowboy-style buddies. They are anxious to quit the streets for a redemptive trip to "Camelot", e theme park somewhere in the Midwest. But like the heroes of the recent Gridlock'd, they cannot muster either the money or the mental resources.

Silver's script and direction are thick with sanctimony, as the characters weave through penitential setbacks one long, long Christmas Eve. In case we still feel a few symbols short of e Christ etory, Arquette gets to wear crown of thorns-style wounds on his forehead after a beating up in which he is pinioned in crucifixion pose against a metal fence.

I prefer the New Testament parables of Pasolini'e Mammo Roma and Larry Bishop's Trigger Hoppy. The first is a reissned Italian classic, with Anna Magnani magnificent as the ex-prostitute trying to better herself. She gleams, glowers, enarls and weeps; and that is just when she goes shopping. When her teenage son (Ettore Garofalo) declines into illness, delinquency and jail - "crucified" on e bench in strapdown solitary - she virtually

faces and landscapes in a Roms where the ruined walls of myth jostle with the derisory Utopia of its gleaming new suburbs.

The black comedy Trigger Happy has Richard Drevfuss as Lazarus: sort of Garbed in what appears to be a white winding sheet - or perhaps it is just the latest post-Cosi Fan Tutte Armani creation - the gangster emerges from mental hospital to re-bond with old sparring pals like Jeff Goldblum, who has stolen his girlfriend (Diane Lane), hit-man Larry Bishop (who also wrote and directed the film) and henchman cum funnyman Gabriel Byrne.

Byrne steals every scene that is not fastened down. A death-wish Yorick, he sees it as his vocation to twit his superiors: a tendency that climaxes in a gloriously funny and appalling scene involving Paul Anka, the song "My Way" and Byrne all but burning up on stage as he riffs cheerful insults et a Dreyfuss frozen in incredulity. On this evidence, the Irish actor could obviously play Archie Rice, or the Fool in Lear, or just about anything. The film is fun too.

Charlie Sheen has moved back from comedy to screen drama, often a good move when no one is laughing at you. As a cob leading man for Oliver Stone he made Platoon and Wall Street before his downhill sequence of spoof movies including Hot Shots and Hot Shots Deur

In The Shadow Conspiracy be scampers over Washington rooftops for two hours as a White House adviser seeking the villain or villains who are out to topple President Sam Waterston. Guns blaze, cars screech and Linda Hamilton of The Terminator continues her impersonation of an underused actress frantic for e good role. Sheen is capable and dashing. But it was surely ill-advised to have so many action setpieces with so little actual plot. And if they were going to hire George Rambo Cosmatos to direct with trashy clan, did they need composer Bruce Brough-



A sort of Bing Crosby in a sari meets the subcontinent's answer to Olivia Newton-John: ton's teeth-rattling score as well? Nirmal Pandey (top) as the transvestite and Sonali Kulkarni as the girl in 'The Square Circle'

Opera/David Murray Singers v. strimmers



Jozik Koc and Nicole Tibbels in 'Le pescatrici' at Garsington

mnch: verisimilitude would count Jozik Koc's eober Prince who for nothing in this piece, with its fanciful catchpenny story and its pasteboard characters.

The main thing is simply that everybody on stage should be nicely dressed, and should sing Haydn's cal charm. That they did; the evening passed pleasantly, with genninely stylish conducting by Wasfi Kani and many bright voices. If there is anything more to be found in the music, it was the baritone

suggested it best. Cost for tutte offers much more. and the Garsington team did remarkably well by it. The ever-reliable Steuart Bedford conducted e fresh, eager performance (and drove amiable, undramatic score with lyrical charm. That they did; the even-presto in the first-act finale): There was a touch of Victoria Wood about Cara O'Sullivan's appealing Fiordiligi, who rose passionately to her two grand arias. Janis Kelly made Dorabella a sophisticated, world-

ly-wise lady of mature allure. Their naughty maid Despina was a surprise: a frank, earthy Spanish mezzo, young Silvia Tro Santafé, who repeatedly seized the action by the scraff of the neck and shook it up. Andrew Slater played Don

Alfonso, whose bet at the start engenders all the intrigue, as a large-suited businessman - fourth vice-president of some colid company, perhaps - with a mock-inno- Always is a foolish, vulgar, And her singing really Parisienne. The horse chorus cent air and a whole range of little and saccharine musical does transcend its context. is gruesome, the waiter moues and winces: a portly tease, no Mephistopheles. The personable American tenor Jeffrey Lentz played np to the com-

edy with e will, and sang both a melting "Un aura amorosa" and e taut, angry "Tradito, schernito". Excellently matched with him, Richard Halton's Guglielmo romanced and fumed by turns, and supplied a invaluably lucid bass-line in the ensembles. Ian Judge's production, in languid-

casual modern dress, makes the chorus unusually active spectators on the scene (a decorative floor and a couple of doors - nowhere in par-ticular), and defies Nicholas Till's programme-note by closing the opera neither with reconciliations for partner-exchanging, but with a collective explosion of rage and bitterness that sends everyone off alone, in his or her own direction. We can take that in our stride: the game is the same, however it sends.

Cost fan tutte and Le pescatrici continue in repertoire at Garsington, Oxfordshire, until July 5.

Musical/Alastair Macaulay

# Voice over matter

in a musical. Unfortunately, fresh. about Edward VIII and Wallis Simpson. Admittedly, even its silliest passages are preferable to the hard-nosed manipulations practised by the blockbuster musicals of Lloyd Webber and Bloubil-Schönberg. As written by William May and Jason Sprague, Ahonys is a harmless, foolish show that aims to please. But it is just another modern musical.

And the genre stinks. Hartley plays Wallis. She acts with great dignity and with delicate feeling: no mean achievement amid a show that asks her to end one solo scene by shouting "I love him!", another with "No, David, no!", and then to wrap up the wbole show, after he has asked "Will you marry me?", by running to him yelling "Yes! Yes! YES!" In the initial scenas, ber American accent is a tad laboured (she gathers more

n Abouys Jan Hartley proceeds), but et every point Place for Us" in West Side can remember bearing modern musical, unusually

This is singing that develops naturally out of speech, with no change of gear; and it is so full of tonching colour and refinement that it speaks more truly, more intensely, than her speaking. t is also singing of rare

accomplishment, secure from the bandsome lower register to the glowing top, capable of swelling a long-beld note or of making several different musical points within a single phrase. In particular, sbe can float the softest high notes above the stave, not as e special effect but as a completely expressive part of her music and characterisation. May and Sprague write in

e variety of pulpy, derivative genres. In the title song, the last three words of the phrase "If Always were a place. I'd take you there" seem to heve hopped European refinement as she straight out of "There's a

gives the most touching her handling of the dialogue Story. The show, directed by and beautiful singing I is, by the standards of the Frank Hauser and Thommie Walsh, features a gauche divertissement at Café La dances feyly, and the Bubble Girl, who does a few slight tricks on pointe, has spaghetti legs and feet to match. The scene with the Welsh miners is naff (despite the excellence with which they sing their chorale version of "Long May You Reign").

What else? Edward VIII here is a stuffed shirt, with a sweet centre; Clive Carter almost makes that interesting. Hartley's dreeses, designed by Tom Rand, are almost all very well cut and coloured. Hildegard Bechtler's sets work well, Peter Mumford's lighting excellently. In short, Altooys is a light-

weight, soft-core, melodramatic musical for tourists, amid which Hartley sings so well that you wish someone would star her in a show thet did justice to her rare

Victoria Palace, SW1.

# INTERNATIONAL

### ATHENS

EXHIBITION Ergostasio/School of Fine Arts Tel: 30-1-381 6930 Joseph Beuys: exhibition featuring a number of the German artist's drawings and engravings; to Jul 6

■ BERLIN CONCERT Konzerthaus Berlin Tel: 49-30-203090 Berliner Sinfonie-Orchester. with conductor Jac van Steen in works by Mendelssohn. Saint-Saens and Prokoflev; Jun 12, 13, 14, 16

Deutsche Oper Berlin Tel: 49-30-3438401 Der Rosenkavalier: by R. Strauss, Conducted by Jirl Kout; Jun 15

BONN EXHIBITION

Kunst- und Austellungshalle der **Bundesrepublik Deutschland** Tel: 49-228-9171200 Germany Photography: display

of 300 works by 150 German photographers from the 19th and 20th centuries, covering different aspects of the medium, including architecture, art, fashion, design, advertising and journalism; to Aug 24

BRUSSELS

EXHIBITION Musées royaux des Beaux-Arts de Beigique – Musée d'Art Ancien Tel: 32-2-5083211 Paul Delvaux thematically organised retrospective devoted to the work of the Belgian artist featuring approximately 120 paintings and 130 works on paper from international collections. Also on display are a number of letters, photographs, souvenirs and other documents, including sketch books: to Jul 27

■ LONDON ART & ANTIQUE FAIR Olympia Tel; 44-171-6033344 Summer Fine Art and Antique Feir: featuring 400 fine art and antique dealers from the United Kingdom, Europe, the United States and South Africa; to

Jun 15 EXHIBITION British Museum Tel: 44-171-6361555 Ancient Faces: Mummy Portraits from Roman Egypt exhibition displaying nearly 200 mummy portraits on wooden

panels, linen shrouds and coffin lids made between the 1st and 3rd centuries AD; to Jul 20 Spink & Son Tel: 44-171-9307888

 Japanese Lacquer from the Mei]I Period: Golden Tales of Genji: display of 47 pieces of lacquer from a private collection, showing the full repertoire of Meiji lacquer techniques, including high relief lacquers, details inlaid with ivory and works sprinkled with gold and silver leaf. Highlights include a late 19th century writing box, a bookcase and a lobed incense burner: from Juri 16 to Jun 27

Victoria & Albert Museum Tel: 44-171-9388500 Susan Barron: Labyrinth of Time: display of one of the longest books in the world, measuring 152 metres and described as both a modern day Illuminated manuscript and a relative of multi-media music videos. The seven volumes can be read as a book or unfolded into six configurations creating a visual puzzle of text and images; to Sep 7

■ MADRID CONCERT Fundación Juan March Tel: 34-1-4354240 Antonio Arias: performance by the flautist, accompanied by Gerardo Lopez Laguna. The programme includes works by Arrieta, Gonzales, Halffner and Abril: Jun 14

EXHIBITION Museo Nacional Centro de Arte

Reina Sofia Tel: 34-1-4675062 Eugenio D'Ors Critico de Arte: display tracing the developments of Spanish modern art throughout this century and the career of the Spanish art critic D'Ors. On display are works by artists including Torres Garciá, Picasso, Dali, Miró and Saura; to Sep 15

MUNICH EXHIBITION Haus der Kunst Tel: 49-89-211270 Frantisek Kupka und Otto Gutfreund: display of more than 200 works by the abstract artists from the 1920s and 30s, both inspired by musical rhythms; to

■ NEW YORK

**EXHIBITION** The Metropolitan Museum of Art Tel: 1-212-879-5500 Cartier: 1900-1939; exhibition tracing the progression in styles at Cartier from the turn of the century through to the 1920s and '30s. On display are more than 200 examples of jewellery, clocks, watches, and boxes, as well as design drawings and recently discovered casts made from the finished jewels; to Aug 3

PARIS EXHIBITION Centre Georges Pompidou Tel: 33-1-44 78 12 33 Made In France 1947-1997, 50 ans de Création en France: exhibition of works from the permanent collections of the

Centre Georges Pompidou and the Musée National d'Art Moderne celebrating respectively the 20th and 50th anniversaries of the museums. Included are works by Braque, Calder, Chagall, Duchamp, Emst, Matisse Picasso, Balthus, Cesar, Dubuffet and Klein; to Sep 29 Musée d'Art Moderne de la Ville de Paris Tel: 33-1 53 67 40 00

 Jörg Sasse: display featuring 26 recent works by the young German photographer who takes snap-shots of everyday life, which are then scanned and altered by computerized technology to produce surreal images; to Jul 6

Théâtre des Champs-Elysées Tel: 33-1 49 52 50 50 Le Nozze di Figaro: by Mozart. Conducted by William Christie.

performed by Les Arts Florissants. Soloists include William Shimell. Rosa Mannion, Lilian Watson and Gilles Cachemaille; Jun 13, 16 ■ ROME

**OPERA** Teatro dell' Opera di Roma Tel: 39-6-481601

 Il Barbiere di Siviglia: by Rossini. Conducted by Gianluigi Gelmetti. The cast includes Anna Caterina Antonacci, Daniela Barcellona, Paul Austin Kelly and Bruno Praticò; Jun 14

■ SAN FRANCISCO EXHIBITION Museum of Modern Art Tel: 1-415-357-4000

Icons: Magnets of Meaning;

exhibition assembling 300 design objects, including photographs, drawings, prints and videotapes all centered around 12 iconic objects, including blue jeans, lipstick, a surfboard, a baseball bat, a BMW car and the museum itself: to Sep 5

**■ STRASBOURG** CONCERT Palais de la Musique et des Congrès Tel: 33-388 37 67 67 Sinfonia Varsovia: with conductor Lord Yehudi Menuhin and violinist Daishln Kashimoto in works by Beethoven and Brahms;

■ VIENNA

Jun 14

CONCERT Konzerthaus Tel: 43-1-7121211 London Philharmonia Orchestra: with conductor Mikhail Pletnev and violinist David Garrett in works by Brahms and Sibellus: Jun 14

ZURICH

**OPERA** Opernhaus Zürich Tel: 41-1-268 6666 La Traviata: by Verdi. Conducted by Welser-Möst; Jun 15

Listing selected and edited by ArtBase The International Arts Database, Amsterdam, The Netherlands. Copyright 1997. All rights reserved. Tel: 31 20 664 6441. E-mail: artbase@pi.net

WORLD SERVICE BBC for Europe can be received in western Europe on medium wave 648 kHZ (463m)

**EUROPEAN** CABLE AND SATELLITE **BUSINESS TV** (Central European Time)

MONDAY TO FRIDAY **NBC/Super Channel:** 

07.00 FT Business Moming 10.00

European Money Wheel Nonstop live coverage until 15.00 of European business and the financial markets

17.30 Financial Times Business Tonight

CNBC:

08.30 Squawk Box

10.00 European Money Wheel

18.00 Financial Times Business Tonight



**Peter Martin** 

# Bill's billion-dollar bet

The Microsoft chief's decision to invest in cable TV could transform a historically parasitic industry but its success depends on consumer demand

companies in seizing tha assured monopoly, cable magazine, the lyric opera enough to encourage any Has Mr Bill Gates made his first billion-dollar mistake? The decision by Microsoft'e communications. This is areas. chairman to invest that much money in Comcast. what Mr Gates says he has in mind in investing in which owns a clutch of US Comcast: the creation of cable televisinn eystems, can be seen in two ways. broadband connections to everybody's home, to allow Either it is a bet on the the creation of a whole new transformation of clunky old cable into the digital communications medium. Despite the glamorous superhighway. Or it is a nature of the challenge. play on the consolidation of the US cable industry, cable's comparative advantage is mundane: it owns Either way, it is a long-term

investment with uncertain the poles, ducts, trenches, junction-box sites, rights of prospects of reward. way and all the other low-The cable industry is a tech paraphernalia of delivstrange business, historically parasitic in nature. It came into existence because ering physical connections to some 60m US households of the inability of television and some 40m in Europe. broadcasters to provide an To provide those 100m households with the broadadequate signal to some

band interactive services of Cable owed its initial Mr Gates'e imaginings will require many more billions growth to gaps or limitations in legislation: the of dollars. Most of the cable systems will need wholesale unwillingness of governments to allow unfettered ungrading to meet the techaccess to the airwaves, for nical challenge. It is a formiexample, or the unclear dable business challenge, legal title to signals from made more uncertain by the distant or foreign stations. lack of an assured market.

lts boom period in the When cable systems were constructed, in the three 1970s and 1980s stemmed from exploiting privatedecades from the 1960s, they were monopolies. Fransector restrictions, such as the unwillingness of film studios to allow their expenlocal or national governsive films to go directly ments. In return for an all I know, the illustrated from cinemas to over-the-sir

It has provided a convenient subscription-based alternative form of distribution for those suppliers or consumers unhappy with mainstream advertisersupported broadcasting. In the UK, its relative success in providing cable telephony arises in part from the lingering unpopularity of the former monopoly supplier. British Telecommunica-

in short, cable's success has stemmed not so much from any inherent technical or managerial superiority as from the failings or limitations of its rivals.

Now it owes its future prospects to the relative sluggishness of telecoms

Though euch franchises persist, they are no longer impregnable monopolies. Changing technology and regulation makes rivals of telecoms companies in many countries. Satellite transmission is another threat; so is over-the-air multi-channel digital broad-

upgrading cable systems is a much less certain venture than the original construction of the systems - and that was rocky enough, at times. The future of cable may require, in short, the eort of head-on confrontation with rival delivery mechanisms that the industry has so far avoided.

In short, investing in

The biggest uncertainty. however, lies inside consumers' heads. Will they want the new interactive medium that Mr Gates is beadily concocting for them? History is littered, of course, with pundits predicting that this or that entertainment medium will flop because "there'e just no demand for chises were awarded by it". Cinema, the talkies, radio, television - and, for



opportunities thrown up by operators promised univer- and the illuminated mann- one constructing a system the naw era of electronic sal service within their script - have all been pre- from scratch to build interdicted as failures due to activity in from the outset. insufficient demand. All have triumphed.

So precedent is certainly on the side of the visionaries. Still, within the long roster of successful new media, a trend is apparent: each successive innovation has required less andience participation rather than more. At each step, the imaginative effort required of the consumer has fallen. Radio stories require less effort than books; cinema and television less than either.

The few new interactive media that have achieved genuine mass response such as home shopping require less participative effort than traditional shopping. The interactive vision implies a reversal of this trend: a stepping back from passivity towards a fuller involvement of the audience. That may be a vision too far.

There is undoubtedly pent-up demand among some consumers for broadband home connections. Enthusiasts are switching from passive TV watching to the more active use of the worldwide web. Accessing the web over the traditional phone system is frustrating. and there is a market, among a sizeable minority of households, for more powerful connections.

And there is a number of ways in which the interactive visionaries are working Rupert Murdoch's US ambiwith the trend towards ' greater passivity. Some of cosily gathered into a the uses of broadband connections will reduce the operators. Such trends will imaginative effort required to undertake participative transactions, like selecting a holiday destination.

All this implies a modest, information-based growth of interactivity - not enough, perhaps, to justify the scale of capital investment required to upgrade older cable systems, but certainly right.

To justify universal broadband connections to the home requires something that is not yet in prospect the creation of an art form that exploits it. Parallelaction, tension-building thrillers exploited the new cinematic medium of the early 1900s, quiz ebows used the potential of early radio and I Love Lucy exploited

medium of 1950s TV. The new interactive broadband art form will need to be powerful and involving enough to overturn the historical trend towards passivity. It will need to be, perhaps, some form of three-dimensional "you are there" experience.

the essentially domestic

We are still some way from that prospect, in the meantime, the provision of internet access over cable will keep early adopters and business users happy. In the US, the @Homa internetover-cable system is avail-able to 5,000 subscribers in 10 communities; there are comparable fledgling systems in Canada and the

This sort of development

has contributed to a general recovery in investors' attitude towards cable, as telecoms operators prove slow in bringing their own high-speed internet offerings to a wider market. The satellite threat also seems less formidable, as Mr tions in this field are now shared venture with cable go some way towards justifying Mr Gates's billion-dollar bet. Bot it will take much more money, and much more imagination, to give cable a chance of breaking out of its parasitic relationship with other communications industries, to become a medium in its own

**BOOK REVIEW** · Samuel Brittan

SINGAPORE'S AUTHORITARIAN CAPITALISM By Christopher Lingle The Locke Institute, Fairfax Virginia, 168pp. £10

# Zero tolerance, Singapore-style

think-tanks. One is an index report by Mr Christopher Lingle, a US economist, doc- capitalist". umenting his allegations of Singapore's efforts to sup-press dissent. Yet on the freedom" index Singapore ranks number two after

itself, let alone the countries of western Europe. The contrast can be seen in two ways. First, there is far more to freedom than the narrowly economic kind. Secondly, there are subtle links between political repression and the reality of economic freedom itself, dif-

Hong Kong - above the US

ficult to put in any index. For instance, the Singapore public authorities own three-quarters of the state's housing stock, which can be a useful source of power. So. too, can the annual renewal of ontsiders' licences to engage in financial activities. These items do not count for much in an index, heavily influenced by subjects such as inflation and controls on commercial transactions. Although the North American urge for quantification has soma advantages, it can be misleading in relation even to

economics, let alone other Mr Lingle's account of his experiences, as a senior fellow of the National University of Singapore, merits study. On October 1 1994 an article appeared in the International Herald Tribune by Mr Khishore Mahbubani, permanent secretary of the Singapore foreign affairs ministry, entitled "You may not like it, Europe, but this Asian medicine could help". It began: "Whila the guns

assumption that "the natuof "economic freedom of the ral progress of history will world".\* The other is a lead to all societies becoming liberal democratic and

> The article provoked a reply from Mr Lingle. Shortly afterwards two police detectives, investigating charges of criminal defamation and contempt of court, came to interrogate him. On the advice of other expatriates, Mr Lingle took the next flight home.

> He received notice to return to Singapore to respond to charges that he had made contemptuous remarks about its judicial system. But he decided not to return. Mr Lingle's article made no specific reference to

This indeed was the theme of an apologetic "clarification" published by the IHT before the trial. Nevertheless, not only was he convicted of contempt of court, but so, too, were the publisher, Asia editor, printer and distributor of the IHT. The US State Department publicly condemned Singapore's actions.

The rulers of the country had already embarked on a campaign to sell "Asian valspraying paint on a car was the superiority of these valadent individualist societies of the west. Mr Lingle had earlier hints of official intolerance when he was hauled over the coals by the dean of his faculty after an article questioning estimates of China's - not Singapore's - economic growth

in Singapore was not an iso- World, 1997, by J. Gwartney are almost silent in East lated incident. Mr Francis and R Lawson, Fraser Instit Asia. Europe is surrounded Siew, a former solicitor gen. tute. Vancouver, £35

The UK Institute of by conflict", stretching from aral, was detained for 72 Economic Affairs has issued Algeria to Bosnia. It went on days under the colonial two contrasting reports by to criticise European exter. Internal Security Act after North American free market nal policy together with the defending some prominont political prisoners and later indicating his Intention to enter opposition politics. However, according to Mr Lingle, it is more usual for opposition figures to be investigated for tax offences

or defamation. The country'e leaders. Mr Lingle alleges, have exploited the vulnerability to expensive defamation actions of international media which make Singapore their regional printing or distribution centre. They have also enforced direct circulation restrictions.

Mr Lingle's account of his experiences is a prelude to an analysis of authoritarian capitalism. He sees Singapore as only one example of phobocracy, or rule by fear. Bot the island of 3'im people is important both for its focal economic position and because of its claim to set a moral example - a claim accepted by some in the west who should know better.

Mr Lingle expounds Singa pore's achievements. "A tiny country bathed in sweltering tropical torpor which has achieved in a few decades a western per capita income, with a sophisticated labour force and little unemployues". The flogging of an ment or poverty," He has, American teenager for moreover, some bopes that as economic advance turns flaunted as an example of to knowledge-based industries, Singapore will have to nes over the supposedly dec- turn to "liberal democratic capitalism" if it is to foster the critical spirit on which these activities depend.

The author has made a case which should give pause to some of the more credulous admirers of "Asian values".

He claims his experience \*Economic Freedom of the

For a quarter of a century, DGZ International S.A. has been successfully operating on the Euromarket serving public-sector borrowers, internationally-operating companies, and Institutional investors. The Bank's financial state-

' low-cost and risk-conscious funding, we made use of a broad spectrum of derivative instruments. Against this background and taking net income from financial transactions into account, we achieved an ordinary operating result sub-

### BUSINESS YEAR 1996

# 25 YEARS OF EUROMARKET EXPERIENCE AND **ANOTHER SATISFACTORY RESULT**

ments for this anniversary year illustrate the basic approach which we have pursued over the

The moderate increase in business volume was achieved primarily through the expansion of the securities portfolio. Reflecting our risk controlling lending policy, the volume of loans outstanding remained practically unchanged. For stantially above the previous year's level. The net income for the year rose to DM 65 million.

The confidence of our clients and the dedication of our staff have significantly shaped our development over the past 25 years. We wish to express our gratitude to all those who have corr-

From the Annual Accounts	1996	1995
DM million		
Total Assets	9.634	9,432
Due from Banks	3.783	4.030
Due from Non-bank Clients	4.279	4.025
Securities Portfolio	1,378	1,149
Deposits by Banks	4 PAC	3,667
Deposits by Non-bank Clients	4.453	5,005
Own Funds	239	209
Net Interest and Commission Income, Trading Results	192	138
Administrative Expenses	16	18
Taxes	85	
Net Income	65	41

A copy of our annual report is available upon request.



16, Boulevard Royal, L-2449 Luxembourg, Tel.: (352) 45 2471-1, Fax: (352) 46 2477

# ·LETTERS TO THE EDITOR·

Number One Southwark Bridge, London SEI 9HL

We are keen to encourage letters from readers around the world. Letters may be faxed to 444 171-873 5938 (please set fax to fine), a mail: letters at the fine), a mail: letters at the fine of the fire of the fi Translation may be available for letters written in the main international languages.

# Benefits of a super-SIB underplayed, while inherent risks have been exaggerated

Sir, I wish to challenge some of the views recently expressed in your newspaper concerning the creation of a 'super-SIB".

Professors Goodhart and Jewellyn (Personal View: A blurred outlook", May 30), while noting the weaknesses of the old regulatory structure, caution that merely changing institutional structure does not guarantee high quality regulation. This observation is beyond contention but their conclusion, that the so-called Twin Peaks" approach is a superior reform option, should not go unchallenged.

in essence, the authors highlight legitimate fears about the operation of a super-SIB but offer no real evidence that: (a) the fears will be realised; or (b) that the Twin Peaks approach represents a superior soln-

tion to the problems raised. Mr Michael Taylor's letter (June 4) levels several criticisms against the creation of a super-SIB. However, on the subject of "management overload", surely an appropriate management structure (matrix-style or otherwise, depending upon the internal configuration of a super-SIB) can be designed to minimise the problem. On

submit that it is a gross exaggeration to suggest that the risk faced by a super-SIB is one of the same order of magnitude as that faced by a central bank charged with the responsibility of supervising banks.

in the latter case the real economy suffers if the authority of the central bank is damaged in this way through the emergence of an interest rate premium. Given that we do not yet know what funding arrangements will operate under the new regime, I cannot see how we can criticise super-SIB on this score. Finally, on the question of the "concession

of power". I would suggest

that the issue of accountability is of more importance and, under the new regime, this is quite clear - the UK Treasury is firmly in control. In summary, each of the three academics is at fault in playing down the potential benefits and exaggerating the risks inherent in the new approach. The proposed new structure deserves to be given the chance to prove

Maximilian J.B. Hall. senior lecturer in Loughborough University,

Leicestershire LE11 3TU, UK

### Tax advisers

### Educate for a sustainable future

From Mr Roger M. Bale. Sir. Retroactive legislation carries with it all the integrity of the Nigerian government. If any tax were to be levied regarding UK privatisation it must surely be on the highly paid City advisers on whose advice the government sold the shares at a price that has since proved to be substantially less than

Roger M. Bale. Rocque Berg, St Clement Jersey JE2 6FT. CI

what could have been

achieved.

From Professor Michael

the question of exposure to

Sir, In politics, the person and the place are at least as important as the idea. So when Mr Michael Meacher, the environment minister. writes in the FT (Business and the Environment View point, June 4) about the ecological predicament of the global environment and reconciliation of north-south needs, there is a juxtaposition that gives a spark of

bope for the future. In going to the second Earth Summit in New York this month, Mr Meacher

could usefully consider the role of education in striving for sustainable development He could inquire about the Baltic Sea project where young children, from several Scandinavian countries, ovizzed political leaders

about why the sea was dying and embarrassed them by asking questions they could not answer. He might ask how some teachers persuaded McDonald's in Finland to eschew plastic containers (manufactured from fossil fuels) and use wood

products instead. When he returns to the UK

he might persuade education secretary, Mr David Blunkett, that education for a sustainable future, incorporating community action by young people (for their future is more at risk than ours), should feature large in the re-writing of tha national curriculum.

Michael Bassey (emeritus professor of education, Nottingham Trent University). The Cottage. The Moor, Kirklington, Newark. Notts NG22 8NQ. UK

## Belgian super-utility plan contrary to competition aims

From Mr Graham Weale. Sir, The proposal of the Belgium government to merge two of its banks and also to create a "superutility through the complete fusion of Tractabel and Electrabel ("Belgium backs creation of 'super utility' June 6) betrays a disappointing appreciation of true competition within the internal European market. The Dutch government was guilty of a similarly myopic view with its 1995 white paper proposal to merge its

panies in order that the

Netherlands should have a national company strong enough to compete at the European level.

The essence of a properly competitive internal market is that there should be companies with a good spread of assets operating broadly across Europe, rather than increasingly concentrated operators active primarily within current national boundaries.

The downstream oil industry is considered very competitive in most countries and therefore forms a useful model for the structure of

Many of the large companies have for many years had a portfolio of operations across a number of countries. The result is that there are relatively few regions within Europe, let alone whole countries, where e single operator has more than 25 per cent market share, a level which is often consid ered as a critical threshold

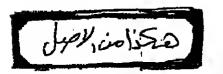
other European industries.

ties such as the Monopolies and Mergers Commission. Initiatives by national governments to strengthen companies within their own

for competition by authori-

national boundaries fly in the face of the internal market agenda. The European Commission should state its opposition to such moves and also begin to think about establishing long-term limits for the market share of a given operator in any field within defined geographical regions.

Graham Weale, director of European energy services. WEFA, economic and energy consultants. 4 Winsley Street. London WIN 7AR, UK



Both Areas I. L.

---

underplaced, wh

n exaggerated

and a first of the second

pages with a second

Appendix .

----

market B

4 ...

 $\frac{1}{\sqrt{\frac{1+\alpha_1}{2}}}\frac{A_1A_2}{A_2A_3} = 2^{\frac{\alpha_1}{2}} A_1A_2 + A_2A_3$ 

in section of the

Winds of the Control

Advanced to the second

STORY W

 $\frac{1}{\sqrt{2}} \frac{1}{2} \log \left( \frac{1}{2} + \frac{1}{2} \right)$ 

 $aJe^{-i\beta - i\beta}$ 

Grand min

ept . . . .

part 1-25 1989 P

4... Jane -

 $\mathcal{Z}_{\mathrm{pos}} \approx (1-\epsilon)^{-1}$ 

My to competitive

erange in the

wes.

# FINANCIAL TIMES

Number One Southwark Bridge, London SE1 9HL Tel: +44 171-873 3000 Telex: 922186 Fax: +44 171-407 5700 Thursday June 12 1997

# A chapter for employment

The European Union is an make unpopular changes in pol-20 per cent of the labour force; in France and Italy it is around 12 per cent; and in Germany it is about 10 per cent. Inevitably, this barms the cause of European integration.

The answer, it is suggested, is insertion of an employment chapter into the treaty due to be finalised in Amsterdam next week. This could be helpful, but not if it diverts attention from the need for bold reforms by individual member states.

Perhaps the most encouraging aspect of the chapter is the proposal to take the goal of employment into consideration in the formulation and implementation of Community policies and

The chief concrete proposals are to draw up guidelines for the employment policy of member states; require each member to provide an annual report on its employment measures; call on the council of ministers to evaluate implementation of those measures; and, on ths basis of these evaluations, have the council and European Commission make a joint report on employment in the EU.

The draft chapter also refers to EU "incentive measures" for employment. This apparently refers to pilot schemes to be financed by the EU bndget. However, it explicitly excludes harmonisation of the laws and regulations of the member

An optimistic view of the draft chapter is that the procedures will make it easier for member states to learn from in. If its fine words are taken as one another's successes and fail- a substitute for such action, ures; provide helpful EU back- rather than a spur to it, it ing for governments needing to would be worse than useless.

unemployment black spot. icy, and ensure the evaluation Unemployment in Spain is over of EU measures for their impact on employment

> Employment policy will remain the responsibility of individual members. But tha procedures in the draft chapter should help them exercise that responsibility more responsibly and limit the damage done by EU legislation.

Against this, it must be recognised that labour markets are national. The differences in employment performance among the EU's member states onstrate the effective power that member states still possess

In addition, no chapter can paper over fundamental disagreements on how high unemployment is to be cured. Some believe the EU needs a more expansionary macroeconomic policy. Others will resist any ettempt to enshrine snch a notion in EU policy making.

Equally, soms believe higher employment can be secured by tighter regulation. The new French government even suggests that a shorter working week, without reductions in wages, is part of the answer. To others, this seems madness. In light of such deep differences each country must be allowed to choose its own path.

The biggest benefit of the chapter would be the mandate to cast a searching light on the negative impact of high-minded EU social regulations. However, it will not rectify macroeconomic policy mistakes and cannot relievs member states of their own predominant responsibility for the mess many are

# Blair and China

Mr Tony Blair, Britain's prime suaded the US to stay away minister, is right to attend the Britain should also actively handover ceremonies in Hong encourage its European allies to Kong on June 30. His presence do the same. Mr Blair should will be an appropriate mark of use next week's Amsterdam respect to the new sovereign summit to persuade his fellow and underline Britain's continuing interest in the well-being of pean solidarity, already damthe territory and its people.

It would have been churlish to stay away, but his brief visit will also be the sharpest test yet of his skills as a statesman. The world will be watching closely. This is an opportunity to lay the foundations of a new and constructive relationship with a China that is growing in impor-

tance both economically and politically. Yet Mr Blair cannot shirk the obligation to convey Britain's deep reservations about China's approach to democratic freedoms to Hong Kong. The requirement is to be both firm and polite. Mr Blair must manage to leave Chinese lead-

ers in no doubt about where Britain stands on these issues without going out of his way to sour the mood at what ought to be a moment of celebration. It is appropriate for him to

leave before China swears in its unelected provisional Legislative Council for Hong Kong. British ministers were never going to attend that particular ceremony. Having already per-

leaders of this. Otherwise Euro aged by France's maverick line on Chinese buman rights, will be meaningless.

China, too, has an interest in avoiding acrimony. It has made the handover more difficult by its wholly unnecessary decision to swear to the new legislature simultaneously with the new chief executive. Separate ceremonies would ease its own embarrassment

Neither country should be squabbling over procedural details at this stage. It is unedifying to see Britain picking a fight over what appears to be a simple Chinese request for permission to bring in some troops so it can have some forces present from the moment it takes over. Perhaps a British retreat on that score might be met with a concession from China on the

swearing-in. That would be a sign, confirmed by Mr Blair's presence in Hong Kong, that a Labour gov eroment can engage with China while still standing up for its principles on buman rights.

# **Ending poverty**

It would be too easy to dismiss the United Nations' Human Development Report on eradicating world poverty as utopian or irrelevant. Grand initiatives of the past have tended to fizzle out, most notably the commitments made at the UN Conference on Environment and Development held at Rio in 1992. A dismissive response would, however, be mistaken. As the report illustrates, great progress has been made.

The evidence shows that with the right policies, appropriate ellocation of resources, and political commitment, poverty can be reduced, as countries as diverse as China and Malaysia demonstrate. Child mortality in developing countries has been halved, and malnutrition bas fallen by a third in the last 30

But the plan to eliminate poverty remains a formidable task. Huge numbers remain impoverished - 515m in South Asia, and most worrying of all, in Africa, where the proportion of people in poverty is increasing.

The report is right to point out that to win the fight against poverty, investment in education, particularly primary education, is vital. Greater gender equality should be a goal. the authors of the report are Women, and children, are much right to set their sights high.

than adult males. The report is also right to say that developing countries have to help themselves. Civil war and excessive military expenditure can make improvements in living standards impossible.

The cost of eliminating the most dire aspects of poverty is not great. Water, nutrition, and basic health care and education can be provided at relatively low cost. Such investment leads to lower birth rates, as well as

promoting economic growth. The industrial world ought not to have great difficulty in finding the \$4bn a year the report says would provide basic social services in developing countries. It will be less easy to ensure the level of organisation and commitment from the governments of developing countries which is needed to make the reduction of poverty a real-

Corrupt and unstable governments can make soluble problems impossible. Where governments ars prepared to co-operate, there is a moral obligation on the part of the industrial world to help. And while poverty is not going to be wiped out in the next twenty years,

# Nervous summer ahead

The suppositions that have buoyed European stock markets will be severely tested over the next months, argues Philip Coggan

European markets: on the crest of a wave?

driven by hones and dreams, but there comes a time when they need to demonstrate a more solid foundation. For more than a year, European bourses have been carried higher by a wave of optimism: that continental European economies will revive; that economic and monetary union will proceed on schedule; and that industry will restructure itself. Some of those hopes may be severely tested in the next few months.

One sign of the potential diffi-culties came on Monday, when the new French Socialist government called for more time to consider the stability pact for enforcing budgetary rigour when the single currency goes ahead. The request prompted fears that monetary union might be delayed and caused a drop in share prices in France, and in the government bonds of countries such as Italy.

A touch of profit-taking might have been expected; continental European bourses have shot ahead by 24 per cent in local currency terms since the start of the year and by a startling 56 per cent since the beginning of 1996. The worldwide climate of low

inflation and low interest rates, which has carried Wall Street and the UK stock market to all-tims highs this week, has played a significant part in the strength of European bourses. These are heady days for equity investors, with a tidal wave of liquidity sloshing through global stock markets.

Mr Ian Harnett, director of European strategy at NatWest Markets, argues that continental bourses do not appear overvalued relative to interest rates, sven after their recent strength.

Until this week, the doubts about the ability of several European Union countries to meet the Maastricht criteria for entry into Emu, and qualify for a single currency, had done little to upset investors. The widespread assumption, especially following the row between the German government and the Bundesbank about revaluation of the latter's gold reserves, has been that monetary union will go ahead, albeit on a very broad basis.

Since even the German government is having to resort to accounting tricks to get below the deficit ceiling target - 3 per it will not be able to stand on its they are now." fiscal rectitude and exclude other eager candidates.

A broad monstary union. which includes Italy, Spain and Portugal, is likely to lead to a weaker euro - the new single currency - than a more narrowly focused union based on, say, Germany, France and the Benelux countries. A Merrill Lynch survey of continental European fund managers last week found that 75 per cent now expect a soft euro, a big switch from May, when 61 per cent expected a hard currency. Weakness to European curren-

cies has traditionally been good news for their stock markets. much as British profits and share prices did well once sterling was forced out of the exchange rate mechanism to September 1992. There has been a strong currelation between the D-Mark/dollar rate and European stock indices in recent years," says Mr Chris Johns, European strategist at ABN-Appro Hoars Govett.

"You have three basic scenar- meltdown," says ABN-Amro's Mr ios - broad union, narrow union and delay," says Mr Mark Howdle, head of European strategy at Union Bank of Switzerland in London. "Of the three, broad Emu is the best for equities, because it helps exporters' competitiveness, and lifts economic growth."

However, the Bundesbank row and the election of a French government which wants a change in the approach to monetary union have heightened the risks, according to Mr Howdle. "The chances of postponement have increased," he says. "And if the markets were 100 per cent convinced of postponement, they cent of gross domestic product - , would be 10 per cent lower than

The real danger of postponement hes not in the direct effect on equities themselves but in the implications for bond markets. The prospect of a single currency has forced down the yields on European government bonds, particularly of countries with traditionally weak currencies such as Italy and Spain. Previously, overseas investors demanded high yields on such bonds because of the risk of foreign exchange losses: a single currency would virtually eliminate that danger.

Postponement would cause bond yields in countries such as Italy and Spain to soar, making equities look very expensive relative to fixed-income instruments. But until Monday the bond markets were surprisingly calm. about the recent political developments. "If you'd described recent events to a bond trader six months ago, he would have said sures such as cutting costs, spin-driven by corporate management, the financit was a recipe for a bond market ning off subsidiaries, making not by governments," points out summer.

Johns, It seems that most bond investors have decided the political will behind Emu is unstoppable, whatever the problems, and that inflation remains a distant threat, The relaxed attitude of bond

markets may not be entirely good news for equities, since the lack of inflationary pressure in Europe owes much to the continent'e sluggish growth record. Industrial production in the 15 European Union countries rose by only 0.4 per cent in 1996, compared with 2.7 per cent in the US and 2.6 per cent in Japan, according to the Organisation for Economic Co-operation and Development. Unemployment, at 10.9 per cent in the EU, is more than double US levels.

edopted by many countries as they struggle to meet the Meastricht criteria have played their part in restricting growth. It is no wonder that the new French government wants more emphasis on growth and employment in the monetary union process. But for equities, the danger is that, if the French win the argument and growth is emphasised, bond markets will take fright. The ideal solution for stock market investors is for European economies to recover, and profits to rebound. without a Keynesian-style reflation across the continent.

The key to squaring the circle is the idea that restructuring can resuscitate the European corporate sector. The theory is that European companies will adopt "Anglo-Saxon" practices: enhancing profits by a range of mea-

more transparent and so on. At the same time, some hope Europe's governments will sweep away years of state interference and excessive social costs, and move towards a more flexible market - thereby increasing the long-term growth rate of the economy without creating infla-

ut UBS'e Mr Howdle thinks the prospects for restructuring have been overestimated. "It has become clearer to the more utopian international investors that Europe is not the US. Political constraints exist to Europe that broad measure which compares don't exist in America. Japan share prices with profits that may have moved ahead of Europe many strategists use to assess: The austerity programmes in the global restructuring league table," he says.

The existence of a substantial majority of left-leaning governments across Europe illustrates the difficulties of pursuing structural reform. This is particularly the case in France, where union power is more entrenched and the political culture has traditionally favoured state intervention and looked askence at the Anglo-Saxon model. The new government is even less likely than the old to approve of restructuring, which it regards with soms justification as a euphemism for shedding jobs.

That could be significant in industries where the French government has a large degree of direct control, such as car manufacturing and the banks. But it may not be quite as significant elsewhere. "Change is being

BZW's Mr Lomax, as European ebareholding structures industry finds it needs to cnt costs in order to compete in global markets. Perhaps pessimism about the

prospects for French industry may have been taken too far. The French stock market has disappointed its supporters during the last five years, underperforming the rest of Europe by 30 per cent. "An awful lot of restructuring has been priced into Germany, where reform is happening, but there has been a lot of hype." says ABN-Amro's Mr Johns. "Arguably virtually no restructuring is priced into France."

This can be seen by looking at the price-earnings ratio, the market's valuation. The p/e ratio of the French market is 16. according to Datastream - significantly lower than the 19 rating accorded to Italy or the 20 multiple on which Germany trades.

But to justify any of those ratings, investors need some good news about the outlook for Emu, for European economies, and for corporate profits.

Some sort of deal on the stability pact may be thrashed out at the intergovernmental conference in Amsterdam, with a form of words on growth and employment satisfying the honour of the

But there is plenty of scope for disagreement; either some desperate fiscal fudges will he required to meet the Maastricht criteria or e decision will have to be made to waive the rules. The ramifications seem likely to give the financial markets a nervous

# OBSERVER

### **Papers** bagged

There's been much talk from France's can be right President Jacquis Colour about his role as guardian of national institutions and the need for co-operation with the new Socialist administration. But the new tismis arriving in ministries scross Paris haven Lbeen finding useful papers about government business many shelves are devoid of documents.

sensitive or mundane. At the Matignon, the prime minister's office, the sealous evacuating troops even took away lists of journalists' names and phone numbers. Maybe they thought Launel Jospin's staff should keep their distance from

Chirac, meanwhile, took a break last night from constitution to eatch up with a political soulmate, British Labour premier Tony Blair. Yet their other à deur may not have been entirely devoid of strain; word has it that some elements of Blair's programme are seen in the Gaullist president's entomage as well to the right of " proposals they might themselves

Blair's visit also reminds Observer how former finance minister Alain Madelin, France's Senator Edgardo Angara, is hest-known economic liberal. - of the main opposition Lahan

recently regular a centralight UDF meeting with a list of policy proposals. As the audience marvelled at the audiency of his suggestions. Madelin revealed that the programme was Right a. He shouldn't have stopped fishers bearowing a few of the Bultish Labour perty's campaigning tricks might have worked wonders for the centre cignt's

Masses struggle ■ R-looked The good news for

the Philippines opposition when the Supreme Court this weeks put paid to President Fidel Remor's chances of running for a second term. But yesterday & amouncement of a milied. opposition looked a trifle enconvincing.
For a start, the name—the

Struggle of the Nationalist Filipino Masses - doesn't trip lightly off the tongue. True it does include three leading opposition parties and Joseph "Erap" Estrada, the leading populist contender to encesed Ramos, But Senatur Miriana Defensor Santiago, another voluble contender for the top job, pulled out after builded: A merger talks

So can the new grouping reconcile the rival presidents ambitions of Estrada and

party? Alex Magno, professor or politics at the University of the three men each holding a dagger

Band of hope Serijian president Slobodan Milosevic's beaute is being challenged by two wealthy businessmen with fireign

businessmen with foreign
passpoots — a furner strings
player in a restaurant band and
a past cycling champion Both
prospered by being closefu.
Minesevic, but will in the one grip on jower in the
presidential poll later this year.
Bogoltob Raile, probably the
richest man in Sertia, has set up
his own Social Temograpy party. his own Social Democracy party, whose manifesto derides Yugoslavia as "a society of patty needs and petty work ethics". Karic, who holds a Canadian passport, once serenaded

German enteries; now his RK. Group includes a bank, Serbla's mobile telephone network and his most popular telepisien. California-based pharmaceuficals magnate Milan Panic, who defected in 1955 while on his way to a hicycle race and now holds an American passport, served briefly as

Yugoslav prime immister in 1992 but lost the Serbian presidential battle that year after a barrage

of allegations by the state media that he was an American spook.

### Ministry link

I Danielle Kaisergruber, 49, will be much in the public eye in France over the next three meets, conducting the independent study set up by Renault chairman Louis Schweitzer into alternatives to the closure of the struggling French carmaker's Belgian assembly plant.

. Keisergruber and Schweitzer have both worked at the French industry ministry. Schweitzer as then industry minister Laurent Fahins's chief of staff. Kaisergruber as head of the ministry's corporate qualification and training service. They were both at the ministry between 1983 and 1984; though Renault was unable to say yesterday whether they knew each other

## Sea here

Much activity at the landlocked Suoi Tien Resort near Ho Chi Minh City, which is spending \$4m on a sandy beach and wave-making equipment and might even add salt water for what's described as Victoria first artificial sea. With 3,000km of coast, it can't be hard to find the real one.

#### 100 years ago A Touch Of Humour

There always seems to be a touch of humour in the statistics of Switzerland - e country that it seems impossible to take seriously. but one which, as our Consul at Berne points out, ranks commercially in proportion to its population among the first in the world. To conserve and increase this commercial position, treaties have been entered into right and left in recent times. First there was one with Japan, and others have now either been completed or under negotiation with Tunis, Austria-Hungary, Argentina, Paraguay, Chili, Brazil, Mexico and Bulgaria Bourse Law In Germany

The effect of the new Bourselaw to Germany is evidenced by a decline in the revenue from stamps and duties on Stock Exchange transactions which took place in April. it is expected that the contraction in business will continue at least during June. So harassing and disagreeable are the formalities that have to be gone through before obtaining official quotations for new securities and before new undertakings can be floated that the big financial houses have come to regard the launching of fresh enterprises as a most ungraieful task

# FINANCIAL TIMES

Thursday June 12 1997



# UN publishes action plan to rid the world of poverty

A six-point plan to eliminate worldwide extreme poverty by the early years of the 21st century is put forward today by the United Nations Development Programme in its annual human development report.

The report says providing services and support to alleviete poverty would cost \$80bn a

While huge strides heve been made in reducing poverty over the past 30 years in the developing world, a quarter of the world's population is still affected. In eastern Europe and the former Soviet Union, the proportion of poor people has risen sharply over the past 10 years, the UNDP says. The report looks et "human

poverty" which takes into Its action plan includes mea-

life expectancy, literacy and social opportunities, promote access to basic social services. On this measure, half the population of sub-Saharan Africa tries lagging behind, improve will suffer human poverty by the year 2000, the UNDP

Developing countries making most progress in the fight against poverty include Trini-dad, Cuba, Chile, Singapore and Costa Rica, with Burkina Faso, Sierra Leone and Niger bottom of the rankings.

The UNDP says poverty must be tackled with "propoor" policies rather than waiting for the benefits of global trade and income growth to "trickle down". The report says that "unfair" trade, lahour and financial policies cost poor countries \$500bn

gender equality, raise economic growth rates in counthe "management of globalisation", including "fairer" trade policies, and efforts to help countries with special needs such as those rebuilding war-

The UNDP's annual human development index, which measures life expectancy, educational ettainment and incomes, puts Canada top of the 175-nation listing, followed hy France, Norwey and the US. The UK comes 15th.

In a separate report, the International Federation of Red Cross and Red Crescent Societies call for the adoption of universal quality standards for aid agencies. In its annual World Disasters Report, the Geneva-based federation says that independent agencies have become the main providers of relief directly to victims of disasters. putting more money into Africa than the World Bank. Yet "in a humanitarian world without rules or a controlling body, anybody can be a relief

gency", the report says. The federation, with other leading non-governmental aid networks, is working on e set of performance standards that will lay down the rights of disaster victims, the services they are entitled to expect. how they should be delivered ing and evaluating egency

Editorial Comment, Page 13 The price of poverty, Page 6

# Rupert's retreat PrimeStar is so keen to stress that

Mr Rupert Murdoch's News Corporation has been reduced to a passive role in US satellite television that it is tempting to suspect a hidden agenda.

On the surface, PrimeStar's spin looks correct. In exchange for its satellite frequencies and half-built satellites, News receives a bunch of non-voting securities. Mr Murdoch will have no votes, no board repreaentation and no preferantial arrangements for showing his channels. Symbolically, he has also had to sacrifice the ambition of having an ASkyB in America to comple ment his BSkyB in the Britain and JSkyB in Jepan. Moreover, the financial terms barely, if at all, allow News Corp to recoup its outlay. The \$1.1bn nominal value of the convertibles merely equates to what News and its partner, MCI, have

Mr Murdoch's foray into the US satellite market has not been e crowning success and News still faces a \$5bn lawsuit in connection with ASkyB'e falled merger with EchoStar. But painting the escapade as e failure fits just a touch too neatly with PrimeStar's interest in avoiding anti-trust scrutiny to be entirely credible. The truth probably lies in between. As a latecomer to the market, Mr Murdoch risked shelling out billions of dollars with no certainty of success. With this deal, he has cut his losses; he has also secured distribution for two of his channels. That is not quite the cornerstone of a global empire but it is, at least, a toehold.

#### Emu

Europe's politicians are up to their merry schemes again. Back in December, it was German public opinion that needed to be placated. Enter the stability pact, a cock-eyed attempt to entrench the euro's status as a strong currency. Now it is French concerns about jobs that must be addressed. The outline of a "jobs for stability" trade-off is emerging. France will toe the line on the stability pact while Germany, in exchange, will agree to a "jobs chapter" amending the Maas-

tricht treaty. Both parts of the deal are flawed. Not only will penalties envisaged under the stability pact aggravate economic distress, but tight fiscal policy is anyway no guarantee of a strong currency - witness the soarNews Corp

THE LEX COLUMN

out of control. Alas for Europe's 18m unemployed, a jobs pact is just

as unlikely to deliver the goods. Short of irresponsible pump priming, which Bonn has already vetoed, governments have two ways of stimulating joh creation: through macroeconomic stability, which encourages investment and growth. and microeconomic reforms. Europe's politicians have been good at the first, dismal at the second.

The trouble, of course, is that labour market deregulation could aggravate unemployment in the short term, even if the long term benefits are clear. The French government'e response to Renault's ettempt to close e plant in Belgium is e discouraging reminder of how far politicians are from grasping the

So while the air is sure to be thick with concern, measures to improve Europe's long-run capacity to create jobs could be lacking.

#### UK inflation

Mr Gordon Brown's expected plan to replace Britain's present inflation target - 2.5 per cent or less - with a simple 2.5 per cent goal might look a slight relaxation.

In practice, it is unlikely to be any such thing. Mr Brown's predecessor, working to a "2.5 per cent or less" criterion, failed almost all the time. But to an independent central bank taking the target seriously. the same downwardly-biased range could be an invitation to overtighten. Mr Brown's version sensibly removes the temptation for the extreme gearing up will do to the Bank to hit its target at the econo-

my's expense. Thankfully, he has also not taken

connected Mr Gavyn Davies that the government should set a series of annual target ranges.

alod linking

That would re-nitroduce precisely the risk of political meddling Rank independence is designed to avoid. Still, if Mr Brown really wants to cause a stir, there is one further measure he could usefully announce at the Mansion House tonight. Given that the new monetary policy committee is to be set such a straightforward policy goal,

why not link the members' pay to

### Energy Group

their performance?

What is Energy Group up to? The company's public statement, which raised the prospect of a recommended offer from PacifiCorp at an underwhelming cash premium before a deal had even been done, seems a peculiar way to negotiate, So in the circumstances it is not surprising if shareholders are dis turbed by whispers - emphatically denied - that Mr John Devaney. Energy Group's chief executive, is keen to push through a deal without wholehearted backing from his

executive chairman.

The question is whether Energy Group shareholders would be receiving full value in the takeover. Certainly, it is possible to arguthat Energy Group would be sold at a lower multiple than some other deals in the sector. But the comparators are very different businesses, Moreover, Mr Devancy can make the powerful defence that, whatever anyone thinks of the offer potentially on the table, the fact remains that shareholders are still better off with it than without it.

An offer around 700p may not be princely but it is still more than Energy Group is worth. It is not as if PacifiCorp can easily afford to pay even that. The company is already balancing \$6bn in debt on the same market capitalisation. And Energy Group itself has more than \$2hn in debt. So even If, as seems likely, the merged company were to raise \$1.5bn through asset sales, its dehts would still be more than \$12bn - leveraged huy-out ter-

Before PacifiCorp's shareholders rush to celebrate any earningsenhancement, they would be wise to coosider the damage such quality of the company's earnings.

# Japanese surplus doubles

Continued from Page 1

pointed ont that the underlying trend was up, on the evidence of the latest trade data, which showed that exports doubled for the first 20 days of

ING Barings and Jardine Fleming Securities in Tokyo predicted that the surplus would rise from last fiscal year's 1.4 per cent of gross domestic product to around 2 per cent in 1997, still well below the 2.5 per cent threshold seen as unacceptable by the US government.

On the capital account, the finance ministry yesterday announced that Japanese investors hought a net Y2,530bn of foreign securities in April, a monthly record and 11 times more than they bought in March Nearly half of that - Y1.400bn - was spent on US government bonds, as Japanese investors rushed to try to make an exchange rate The US currency has since fallen back against the yen

# Bottle on French table more likely to be water

By Andrew Jack in Paris

The French are increasingly spurning wine - even from their own renowned vineyards - and opting for water et the dinner table.

This sober rejection of their heritage is revealed in a study released yesterday by Inra, the national agricultural research institute. It shows thet demand for non-alcoholic had reduced the calorific drinks has now outstripped all others, and that plain water has become the favourite Gallic tipple,

Between 1980 and 1995, the latest period for which figures are available, the proportion of their meal fell from 50 per cent to 27 per cent.

The figures for beer drinkers showed a fall from 4 per cent to 2 per cent and for cider drinkers from 2 per cent to 1 per cent. Even the popularity of tap water fell, with adult drinkers declining from 47 per

But there was some consolation for national pride because

water - an industry dominated by the French. Drinkers rose from 24 per cent to 45 per cent over the 15-year study period. Mr Jean-Pierre Laporte, an Inra researcher in Montpellier who carried out the research, said: "The drop reflects the shift towards a more sedentary lifestyle in France, and the

increase in urbanisation." A decline in manual labour importance of wine, there was less social drinking in large groups, and health concerns had helped reduce excessive

Even the generous - or realistic - decision hy French adults drinking wine with researchers to classify as adults anyone aged over 14 did little to inflate the statistics. Indeed, the young remain the greatest hope for wine-growers, with the generations born after 1960 proving the only ones to increase their consumption steadily.

The news was greeted with-French viticultural industry, incidence of cardiovascular which has helped fund Inra's illnesses and even Alzheimer's and landed them with a loss, the real winner was bottled on-going study since its launch disease

in 1980. Mr Robert Beynart. managing director of Vinexpo. the world'a largest wine exhibition, which opens for e week in Bordeaux on Monday, said: "I am relatively optimistic. I think the reduction has bottomed out in France, and we remain the most important wine exporting country in the

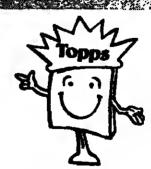
He said there was a modest increase in the number of wine producers at the exhibition from other countries hnt the French still dominated with 60 per cent of the floorspace. His views were partly

backed up by the Inra study, which showed that, while the number of daily or frequent drinkers has fallen sharply, the proportion who drink moderately - once or twice a week or less - has begun to rise. Mr Laporte said this could

be partly explained by the recent scientific research into the "French paradox", that moderate consumption of red e appeared to reduce the US's hudget deficit was spinning up the suggestion from the well-

# Coopers &Lybrand

CORPORATE FINANCE



**Topps Tiles Pic** 

on its successful listing

on the London Stock Exchange

Coopers & Lybrand Corporate Finance acted as sponsor

O business assurance O business recovery and insulveney O corporate finance O management consulting

for Business o tax and human resource advice

Coopers & Lybrand is mithorised by the lagitude of Cherles Coopers & Lybrand is a member of Coopers & Lybrand Ins

# News Corp to sell ASkyB operation to cable rival

FT WEATHER GUIDE

Continued from Page 1

of cable operators, including Tele-Communications (TCI), Time Warner, US West and Cox Communications, wili transform itself into a publicly quoted company.

News Corp said the move was a "step back" which took it out of the satellite operating

"But our focus has been on the programming side, and we are comfortable with that," it said. PrimeStar had agreed, as fit channel. The group also

Sports and Fox News networks to its 1.8m subscribers,

it added. News Corp was also expec-ted to announce a \$1.7bn deal vesterday to extend its programming range with the acquisition of the International Family Entertainment cable programming company

part of yesterday's deal, to owns the fX cable network that demand relatively large transmit News Corp's Fox and the successful Fox broadcast business which has risen to challenge the pre-eminence

of ABC, CBS and NBC. News Corp's retreat from satellite operations seems to leeve the way clear for PrimeStar to challenge DirecTV, the leading US satellite hroadcaster which is owned by Hughes Electronics, part of General Motors.

PrimeStar, which has been limited in its consumer appeal by its medium-power satellites

receiver dishes, is largely confined to rural areas. However, ASkyB's highpower satellites require

smaller dishes similar to those offered by DirecTV. Yesterday's transactions will further darken the pros-pects for EchoStar, the fourth-

largest US direct satellite It is now looking for finan-

cial backing and a new strategic partner to replece News

# **Europe today**

accompanied by thunder, will prevail throughout western Europe as low pressure and a frontal system extends from the British Isles across the North Sea towards eastern France. Ahead of this cold front, temperatures will rise to between 25C and 30C. Behind the front, it will be much cooler with temperatures from 17C to 22C. The Balkans will be sunny with some cloud. Severe ather will occur around the Black Sea. There will be thunder storms and hall showers from the Ukraine towards Turkey

Five-day forecast A low over the British lales will move to Scandinavia causing

showers. The western Mediterranean will remain settled. Eastern Europe and the eastern Mediterranean will have thunder storms throughout the week.

fair 29
fair 30
sun 30
sun 30
sun 30
sun 30
sun 30
sun 26
fair 28
fair 28
faund 32
shower 16
fair 28
faund 32
shower 31
thund 35
sun 31
thund 32
shower 28 Caraces Cardiff Cessables Chicago Cologne Deker Delles Dubel Dubel Dubel Dubel Dubel fair 26 shower 27 sun 27 strower 24 shower 24 shower 31 fair 31 trund 24 thund 37 sun 45 sun 45 sun 27 sun 27 thund 33 hund 33 oudy 25 fair 27 fair 28 fair 26 fair 26 fair 25 fair 20 ithund 27 ihund 27

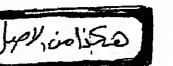
TODAY'S TEMPERATURES

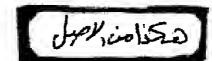
Our service starts long before take-off.

Reykjavik Rio Rome S. Frsco Seoul Singapore Stockholm Strasbourg Sydney Tangler Tokyo Toronto Vancouver Vence Vienna Warsaw Washington Wallington Wallington Wallington

thund 27

Lufthansa







# **FINANCIAL TIMES**

# **COMPANIES & MARKETS**

Thursday June 12 1997 OTHE FINANCIAL TIMES LIMITED 1997

Our subsidiary SKW is beloing to shape it.

**Bourses** to

link up in

Denmark

By Greg McIvor in Stockholm

The Swedish and Danish stock

exchanges will today announce plans to merge their

dealing systems to create an

integrated equities trading

market, the first cross-border link of its kind among Euro-

The move is a response to

growing pressure for rational-

isation among Europe's

smaller stock exchanges. The

introduction of a single Euro-

pean currency, scheduled for 1999, is expected to accelerate

the trend for business to be

larger financial centres.

ing Oslo and Helsinki.

concentrated in the continent's

Although ownership struc-tures are unaffected, the tie-up

could mark the first step towards the creation of a pan-

Nordic share market, embrac-

Mr Bengt Ryden, Stockholm

Stock Exchange president, said

the new common trading sys-

tem would increase liquidity at

both exchanges, making them

"The vision is to create

more attractive for large Scan-

pean bourses.

Sweden,

#### IN BRIEF

# **Cool reception** for Peapod listing

Peapod, the US online grocery store and delivery service, went public yesterday with a performance which suggested a cooling of inves tor zest for internet retailing pioneers. Peapod came to the market above its originally estimated price but demand appeared to dry up after a spurt of enthusiasm. Page 18

North American chief quits Autoliv Autoliv, the Swedish-US group, which is the world's largest supplier of car seatbelts and airbags, was thrown into disarray by the resignation of its head of North American operations and another top executive. Page 20

Daimler to buy Ford beavy truck unit Daimler-Benz, the German industrial group, has been given the go-ahead by US and Canadian authorities to buy Ford's US heavy trucks business, in a deal which will cement its leading position in the US market. Page 20

Granada sees promise in Forte group UK-based Granada Group reported strong firsthalf profits while promising "tremendous upside" from tight management of the Forte hotels group after last year's £3.9bn (\$6.35bn) hostile takeover. Page 21

Inco disposes of alloys unit for \$410m Inco, the West's biggest nickel producer, has agreed to sell its alloys business to New York's Blackstone Group for \$410m. Page 17

Astra to raise \$288m in Jakarta listings Astra International, the Indonesian group with interests ranging from cars to plantations, plans to raise Rp700bn (\$288m) by listing three subsidiaries on the Jakarta stock market. Page 16

ASX to offer fund raising on internet The Australian Stock Exchange unveiled innovative plans to harness the internet to provide a forum for smaller companies to raise capital. It wants to launch an "afternative capital market" on which unlisted companies of any size will be able to advertise for equity. Page 16

Companies in t	1110	
ABB	20	ING Barings
ASkyB	1	Incentive
Aker RGI	15	Inco
Amazon.com	18	
An Feng Steel	16	
Andersen Worldwide	18	
Armstrong World Ind.	19	Kingstreem Reso
Ashton Mining	4	
Astra International	16	
Autoliv	20	
88V	17	
Banco Francés	17	
Banco Rio	17	
Banco Roberts	17	MTK Holdings
Banco Santander	17	Metra
Banco de Credito	17	Meyer Internation
Banco de Galicia	17	Microsoft
Bat Industries	5	Morton
Bayer	6	Navan
Benpres Holdings	16	Neste
Blackstone Group	17	News Corp
Brown&Williams'n Tob	5	OTE
CANTY	18	Odebrecht
CESC	16	P&O
Ceterpillar	17	PacifiCorp
Chase Manhatten	15	Peepod
Chemring	21	Phillip Monis
Commerzbank	15	Porter Chadburn
Consolidated Coffee	16	Preussag
Cummins	17	PrimeStar
Czech Export Bank	15	RJR Nabisco
Czech National Bank	15	Relitrack
Daimler-Benz	20	Rautaruuki Robeco
Detroit Diesel	17	Rodamco
EchoStar	1	SBC Warburg
Ekran	15	Salile Mee
Бхрго	21	Singapore Teleco
Exxon	9	Softbank
Fiat	17	Sommer Allibert
Ford	20	Stena Line
Formula One Holdings	21	Suez
Total on the country's		

Market 4 .

Market Statistic	<b>3</b>	http://www.				
Annual reports service	28,29	FTSE Actuaries share in				
Benchmark Govt bonds		Foreign exchange				
Bond futures and options		Gilts prices				
Bond prices and yields	22	London share service				
Conanodities prices	24	Menaged funds service				
Dividends announced, UK	21	Money markets				
EMS currency rates	23	New Inti bond issues				
Eurobond prices		Bourses				
Fored interest indices	22	Recout Issues, UK				
FT/S&P-A World indices	34	Short-term int rates				

1,5 Tarkett

Granada

HSBC

Greystone Corp

Hapag-Lloyd

FT/ISMA indi bond avc

21 The Energy Group

18 Time Warner

17 Wimbledon PC

World Stock Markets

17 US DBS

15 US West

20 Wartelli

Chief	price		cha	nges yes	tero	ta	У	The Norwegians will be bu
			_					ing into the Cinderella of the
PRANKING	(DMC)			PARES (FTY)				mg min the officerent of the
Rises				Ricos	200		11	Premier League. The club
Altena	1785	+	85	BIC	901		120	homeless and has to share
Billinger	71	+	3.5	Carrelour	4020			
Douglas Hidg	71.40	+	3.30	TARES.	1490	+	35	Crystal Palace's ground
Constant	650	+	25	St Look	1350	+	25 21	south east London. It drav
Malla.				<b>Validates</b>	356	٠	21	some of the smallest crowds
Badentwerk	550	_	22	Polic				Some of the smallest crowds
der Fiz	182	_	5	Promagaries Be	4351	-	89	the Premiership, and trad
NEW YORK			-	TOKYO (Yen)				tionally has only been able
	_			Ricos				
Ricor Leagur Corp	30%		3%	Piipos Bridgesiano	2690		60	make a profit each year b
Lighter Labs	1634		114	Hinchi Meuni	2830	+	80	selling players.
	297		374	Palls				Although its most recen
Prov Fin Wi	Z	•	974	08850	2790	-	70	Millionen ka most recon
Falls	33%	_	3	<b>НЕСОВ</b> Сирвалі	583	-	15	accounts show Wimbledon lo
MENC Elec	15	_	214	Meshit Of	687	-	31	£753,000 on turnover of on
Pac Greystone	20%		394	Secold Mile	1410	_	60	25.2m in 1994-95, rapidly ri
Scientific Great		-	-	HONG KONG				25.2m m 1994-90, rapidy 11
LONDON (Pa	400			Rines.				ing television revenues should
Noos			7%	HK & S Hotels	12.45	٠	0.35	ensure the club's business wi
Bincideys	40	+		New Asia A	23.75		0.15	CIPALE INC CARD & CARDESS IN
Cheming	100	٠	22%	Fello	2000	•		grow substantially in the nex
Energy Grp		٠	61%	Amov Proce		_	0.25	few years if it remains in th
Atacidungton	297V:	+	25	Course Pag	11.60	Ξ	0.15	
Falls					7.95		0.10	top flight
larges	575	-	20%	Straw Bros	1.50	_	0.10	The deal will strengthen th
Zeroscience	269	-	11%	Sime Der		-	0.14	already close ties between
PORONTO (C	31			BANGKOK (B	and a			Bireany Civic Lies Detrice
Mane.				Rises	75.50		6.50	English and Norwegian foo
NEW Hospily	3.60		0.60	BAC	20.25		1.75	ball. Many top Norwegia
Parisland India	7.00		0.45	Proents Pulp	168.00			stars play in England, and th
irtmin Enter	8.90	+	0.40	Regional Cont	25.75	7	225	PINIS INST IN ENGINEER PRO
Fulle				State Sri Than	<b>₹3./3</b>	•	تظنة	English game is bugely pope
Nation Minipo	3.40	-	1.55	Felle	38.00		4.00	lar in Norway where Premis
started Past	10,65	_	1.19	Crown Sad	76.50			League matches are broadcas
nt Cuater	6.50	_	0.45		الخف	-	الحد	League matches are mountain

# PacifiCorp bid well received

By Simon Holberton in London

Directors of Energy Group, the Anglo-American company recently demerged from Hanson, will today consider a bid from PacifiCorp, the big Oregon-based US ntility, amid signs that it would react favourably.

But the company's shares ended up 60p at 640p, well below the expected offer price, amid concern that the Labour government might block the The board is not expected to

announce its decision on the bid until tomorrow at the earliest. Energy Group is con-cerned that PacifiCorp secures finance for the deal before the terms of the transaction are

The Energy Group Share price (pence)

many investors expect, the US utility will pay more than £3.63bn (\$5.91bn) for the

acquire £1.5bn of debt on the the board. "When and if we architect and executor of the giving the bid a \$5.1bn enterprise value.

It emerged yesterday that the approach from PacifiCorp which Energy Group said on Tuesday could result in a bid of around 696p a share - was made five weeks ago.

Corp had caused frictions at the very top of the company.
"Derak [Bonham, executive chairman) doesn't like the deal and doesn't want to do it, but he realises that it's an offer that has to be put to share-

yesterday. However, Mr Bonham denied there was any rift between backer for the NEES acquisi-Energy Group. It will also himself and other members of tion. At Hanson, he was the

Energy Group balance sheet, make a recommendation it will be unanimous," he said.

He said he received the first call from PacifiCorp about a possible bid and had been intimately involved in the transaction from the beginning. One executive who can see

the merits of the deal said: There were also reports that "We get to where we want to the discussions with Pacifi- be in the US two years early, and without having to make a huge investment in New England Electric System

Until recently, Energy Group had been evaluating a more than \$1bn acquisition of NEES. holders," one executive said Mr Bonham - the former chief executive of Hanson was thought to be the main

which he believed had a bright future as an independent Analysts reacted favourably to the bid. "Whatever the squabbles over the toys for the boys this deal makes excellent sense for shareholders," said

company's five-way demerger

completed earlier this year

That left him executive chair-

man of the energy company

"There is a bit of disappointment among shareholders about the price, but an offer around 700p is only 6 per cent off fair value whila shareholders face a 20 per cent

downside risk if the bid fails,"

# Czech loan could set new benchmark

and Vincent Boland in Prague

\$1.5bn deal is cheapest yet for eastern Europe

The Czech National Bank has secured credit at a cheaper rate than any other borrower from eastern Europe. reflecting increasingly fierce competition among banks for emerging market loans. An official in the loan syndi-

The \$1.5bn standby facility ths largest syndicated loan ever offered to an east European borrower - will cost the CNB only a tenth of a percentage point over Libor, the rate at which London banks lend to

Norwegian

Wimbledon

soccer deal

By Patrick Harverson and

Greg Mctvor in Stockholm

Two Norwegian businessmen

are negotiating to buy a stake

in Wimbledon football club in

a deal that could transform

the finances of the English

Premier League's poorest club.

don's owner, yesterday con-

firmed he was in talks with

Mr Kjell Inge Rökke, Nor-

way's leading entrepreneur, and Mr Björn Gune Gjelsten.

Mr Rökke and Mr Gjelsten

already own a big stake in

Molde FK, the top Norwegian

clnb which has provided

English football with recent imports including Manchester

United striker Ole Gunnar Solksjaer. However, Mr Ham-

mam said there were no plans for Wimbledon to share play-

Mr Rökke made his fortune

in the fishing industry. His industrial interests centre on Aker RGI, the industrial investment company in which

he is the largest shareholder

with a 33 per cent stake. Mr

Gjelsten is Aker RGI's chief

Mr Hammam would not

comment on reports from Nor-

way's state news service that

the businessmen planned to

buy an 80 per cent stake in

Wimbledon for about £26m (\$42m) and provide funds for a

new stadium. "All we have at

to get married and it will be at

least a few months before the

marriage is consummated," he

He denied he was "selling

the moment is an engage

live by satellite throughout the long winter close-season.

ers with Molde.

executive.

Mr Sam Hammam, Wimble-

pair seek

one hundredth of a percentage point) will rise to 12.5 basis points if more than half the loan is drawn.

cate, which comprises Chase Manhattan, Commerzbank, J.P. Morgan and SBC Warburg, said that the pricing on the one-year loan reflected the bank's good credit rating.

each other. The spread of 10 the money in the aftermath of centage points over Libor paid basis points (a basis point is the recent de facto devaluation by most Russian borrowers for of the Czech koruna.

The spread on the loan is below the 12.5 basis pointe negotiated by the Czech Export Bank, the previous tightest for a borrower from the region, and is half the margin negotiated earlier this year by Komercni Banka, the big-

gest Czech commercial bank. It is also much tighter than CNB said it needed to raise the margins of at least 3 persyndicated credit.

"This will be seen as the benchmark rate for east European borrowers," said one banker in London. As the central bank of an OECD member, CNB has a

zero-risk weighting which puts it in the lowest-risk category of Winning the mandate on the

deal would also place the tional bond market.

good position to win "ancillary husiness" in the Czech Republic, said the official in the loan syndicate. This could involve trade finance, loans, bond and equity issues, for example.

Czech banks have a track record of setting new benchmarks for borrowers from eastern Europe.

Komercni Banka has led the way, followed by other banks keen to diversify their sources of funding. They have also been pioneers in the interna-

something that will be a single market and seen by outsiders as such," be said. Stockholm and Copenbagen are the two largest Scandinavian equity markets. At the end of 1996, their combined market capitalisation

dinavian corporations.

amounted to \$273bn. Under the tie-up plan, the Copenhagen bourse is to replace its existing trading system with an upgraded version of the Stockholm system. The two exchanges are also to develop a common regulatory

Traders are expected to start using the new system in the second half of next year.

Officials at the Copenhagen hourse have been enthusiastic proponents of an integrated Nordic market but the idea has foundered because of cultural differences. The Oslo and Helsinki markets have reservations about joining any scheme which would be dominated by Stockholm. Shares listed in Stockholm account for about 55 per cent of the region's market capitalisation and trading volume.

The deal with Copenhagen.

comes a week after the Stockholm Stock Exchange dropped a planned merger with OM, the Swedish derivatives exchange operator.

World stocks, Page 34

Name game: Ray Kelvin, founder and chief executive of Ted Baker, the fashion brand, hopes to exploit a growing weakness for designer labels in a £20m (\$32.6m) placing this summer which will value the retailer and wholesaler at £55m-£50m.

# Failure of rights issue casts doubt on dam financing

By James Kynge in Singapore

Doubts grew over the future of a dam project in south-east Asia yesterday after confirmation that a rights issue intended to finance it had failed, with 63 per cent of the shares unsubscribed

Mr Ting Pek Khiing, the Malaysian businessman overseeing the Bakun project, will buy much more of the rights issue in his flagship company, Ekran, than he had intended. Mr Ting will take up 151m of

out" and said that under the terms of the "partnership" the 257.1m shares offered at with Mr Rökke and Mr Gjel-M\$5.7 per share, for a total sten be would remain in con-M\$860m (\$342m). This is more trol of the club and matters such as player transfers and than double the M\$381m that he had intended to spend. The Norwegians will be buy-"The ultimete effect of this

ing into the Cinderella of the is that a rights issue which Premier League. The club is was intended to belp Ting homeless and has to share finance the Bakun project has done the opposite. It has Crystal Palace's ground in become a financial burden in the dam's projected 12 per cent its own right," said a stock return on equity as too low to south east London. It draws some of the smallest crowds in the Premiership, and tradimarket analyst in Kuala Lumtionally has only been able to make a profit each year by

The flop is unlikely to scupper the construction of the 2,400MW Bakun dam, which has been designated a 'national project' by Dr Mahathir Mohamad, the prime But it does raise questions ensure the club's business will over how money will be raised

> MS13.6bn project. Ekran had aimed to raise M\$1.46bn from the one-to-one rights issue; more than enough to buy a controlling 32 per cent stake in the company which is to build the dam, Bakun

> Hydroelectric Corp. Its ability to buy this stake has now been called into question, analysts said.

Bakun Hydroelectric Corp's initial public offering is sched-

uled for late July. Public confidence in the list ing has never been high and Ekran'a rights issue flop is likely to further undermine it.

It is almost unheard of for a rights issue or an IPO to fail in Malaysia and analysts believe that such a large portion of unsubscribed shares is unprec-

Analysts suggested that Mr Ting agreed to buy so many of the unwanted shares rather than allow underwriters to take them because he does not want the Bakun IPO to be affected by adverse sentiment in the financial community.

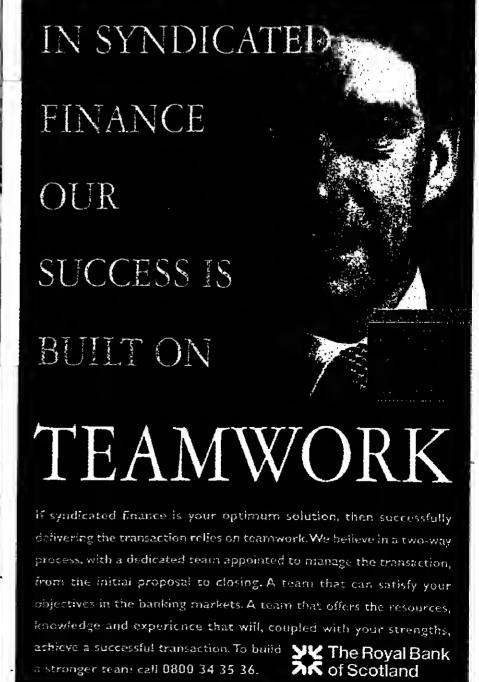
But in many quarters the dam is seen as a fundamentally unsound economic ven-Portfolio investors regard

the dam's projected 12 per cent justify its steep cost. The fact that operating reve-

nue is not due until the dam starts generating in 2003 has also alienated potential inves-But Dr Mahathir sees the

dam as essential for the development of Malaysian Borneo. He has blasted environmentalists who criticise the dam and brushed aside the comments of to fund the ambitious foreign economists. Mr Ting's share in Ekran's

expanded share capital will rise to 56 per cent after his purchase of the unwanted rights. This takes his stakeholding past the 33 per cent at which a general offer should mission has, however, granted



red Office: 36 St. Andrew Square, Edinburgh EH2 2YB, Regir ed by IMRO, SFA and Personal Investo

# Astra to raise Rp700bn by listing units ASX to offer

Astra International, the indonesian company with interests ranging from cars to plantations, plans to raise Rp700bn (\$288m) hy listing three subsidiaries on the Jakarta stock market late

this year and in early 1998. The initial public offerings debt and finance expansion of the three units.

of 20 per cent of Astra Dian from 8 per cent to 9 per cent from Rp614bn to Rp627bn. subsidiary, raising about will act as the underwriter. Rp300bn and scheduled for

explosion in demand for Niaga, the palm oil planta-

local car components follow- tion unit. That offering is ing the controversial slightly smaller than expec-"national" car project, under which cars that reach a 60 huted to the fact that many per cent local content of Astra Agro Niaga's palm receive significant tax and oil plantations have not yet tariff breaks.

will raise Rp150bn with a lead underwriter. listing of 25 per cent of its meet a new requirement for the end of 1996. the capital adequacy ratio, The largest offering will be which is set to be raised

The bank's offering will be sale of 10 per cent, or

ted, which analysts attrireached maturity. ABN in September, Bank Uni- Amro Hoare Govett has been versal, another Astra unit, appointed as the listing's

The offerings will help enlarged share capital. The reduce Astra's debt-to-equity will reduce the company's offering will help the bank ratio, which stood at 1.9 at

Separately, Astra raised its full-year net profit projection Lestari, its car components by September. SBC Warburg Analysts attributed the higher forecast to betterthan-expected first-quarter followed in October with the earnings, which climbed 63 per cent to Rp119.83bn comular interest because of the Rp250bn, of Astra Agro pared with the same period a year earlier.



Potential buyers examine Indonesia's national car, the Timor, after its 1996 launch Popperto

# Softbank fund to back TV production groups

By Michiyo Nakamoto in Tokyo

Softbank, the Japanese distributor and publisher of personal computer software, plans to set up an investment fund in July designed to support TV production companies in

The company has a history of supporting new businesses through

(\$177m), which will be invested in grow substantially with the spread near future. ogramme production companies. Softbank is also a leading investor in JSkyB, the satellite digital multichannel service being launched by Softbank, Naws Corpo-

will start operations in the The establishment of the fund

ration, Sony and Fuji TV, which

of digital broadcasting, which enables broadcasters to beam more enables broadcasters to beam more agreed that all TV broadcasts

The launch last winter of PerfecTV, Japan's first digital satellite multichannel service, will be followed by the start of DirecTV and JSkyB this year. Terrestrial broad- broadcasting businesses is widely Softhank's new fund, starting at

surge to between 200 and 250, the ministry believes.

The key to success for the new various venture funds. It is aiming comes as demand for TV pro- casters are also expected to start thought to be access to pro- Y100m a lot.

to pool funds totalling Y10bn-20bn grammes in Japan is expected to digital multichannel services in the grammes. However, there are concerns that there is a dearth of attractive Japanese programmes.

Sony is also considering the establishment of a company to prodnce and distribute TV prober of channels available will then grammes, although details have yet to be decided.

Daiwa Securities has been enlisted to collect investments for

# fund raising on internet

By Nikki Tait in Sydney and Nicholas Denton in London

The Australian Stock unveiled innovative plans to and medium-sized enterharness the internet to pro- prises in Australia, which vide a forum for smaller companies to raise capital. it said that it planned to per cent of these are esti-

launch an "alternative capital market" hy February next year, on which unlisted companies of any size would be able to advertise for eaurity funds.

The computer-based system would also allow investors in such companies to advertise if they wanted to trade holdings on an "overthe-counter", private basis. However, it would not attempt to offer a conventional minute-hy-minute share trading and pricing

Mr Barry Westlake, who has been appointed national manager of the "alternative capital markets" scheme, said yesterday he was aware of similar initiatives within the private sector in other countries, but believed that the ASX was the first national exchange to get

involved in such a project. We think it will be the first national platform of this kind." be said.

The first company to raise funds through the internet was Spring Street Brewery, a New York company founded by Mr Andy Klein, which raised \$1.6m in 1995 after posting its prospectus on the public computer network.

The offering's success led Mr Klein to set up an investment banking boutique, Wit Capital, which markets public offerings and secondary trading services to internet users, and exploits the low costs of the public network. The Securities and

Exchange Commission, the the provision of capital-rais-US stock market regulator, ing facilities - beyond tradihas been supportive of Wit tional bank toans - has been Capital and its counter- a subject of debate for some parts, but no US stock years.

exchange has adopted the internet as a medium for securities traduus.

The ASX calculates that Exchange yesterday there are about 1m small together provide about half the country's jobs. About 10 mated to have growth potential, and about one-lifth of that portion are thought to be interested in looking for

equity capital. Accordingly, the ASN esti-mates that about 20,000 companies could be interested in the new market, although the number might rise if the scheme proves successful.

The new market would be operated through "sponsors" such as accounting firms. which would be vetted by the ASX before being allowed to advertise their services and which would then be responsible for giving a "stamp of approvat" to information posted by companies themselves.

Companies seeking investors would be able to post information anonymously, giving sponsors' names as a contact point.

Some mandatory information would be required, but according to Mr Westlake: There won't be anything like the prospectus requirements that there are on the main board.'

The ASX would take a supervisory role vis-a-vis the sponsors, investigating such things as complaints. There would also be an "appropriate" fee structure for users of the new market.

At the moment Australia has only a small and relatively undeveloped venture capital market

Given the size and importance of the small husiness sector within the economy.

sales from

tentures.

Merrill Lynch on the power of long-distance teamwork.

> The acquisition of Yorkshire Electricity Group ple by American Electric Power Company and Public Service Company of Colorado is a landmark transaction for Merrill Lynch. We acted as sole financial advisor and sole broker to the acquirers. We were sole underwriter of the £1.14 billion nonrecourse bank facility - the largest syndicated loan commitment Merrill Lynch has ever made. We executed foreign exchange options for both companies - and both are committed to using us as lead manager for all new financing relating to the transaction. In global power deals, transatlantic teamwork makes a difference.

The difference is Merrill Lynch.

ASIA-PACIFIC NEWS DIGEST

# 1 aiwan approves Kingstream deal

Taiwan has approved the purchase of a stake in An Feng Steel, its second higgest steel concern, by Kingstream Resources of Australia, a small Australian resources group, as part of a merger deal between the two companies. The Economics Ministry's investment commission said it had given the green light to Kingstream's proposed purchase of US\$582,33m of An

Feng equity. An Feng is taking an 80 per cent stake in Kingstream to complete the deal, which was announced in January. The two companies will merge to undertake a A\$1.4bn (US\$1.07bn) joint iron and steel project in Western Australia. The merged company, An Feng-Kingstream will be based in Perth and have combined assets of more than A\$1bn. An Feng said the ministry's go-ahead was the final regulatory hurdle on the Taiwanese side to the proposed merger. They expected no obstacles from Australian authorities to the deal. Laura Tyson, Taipe

### Coal costs depress CESC

The sharp rise in coal prices and interest costs put pressure on profits at CESC, the utility that supplies power to Calcutta and surrounding areas. Revenues were up 18 per cent to Rs14.152bn (\$395.6m) for the year to the end of March, but operating profits fell 28.25 per cent to Rs1.115bn. Net profits were down 53.8 per cent from Rs896.4m to Rs413.5m. Earnings per share fell from Rs20.64 to Rs7.80. The figures were in line with expectations. Shares in CESC fell Rs1 to Rs39.

Analysts said that the group was burt because the new power tariff sanctioned by the government did not fully compensate for the rise in fuel costs. CESC's 500 MW coal-fired power plant, which suffered a cost increase of Rs6.7bn to Rs23.08bn, is almost ready for commissioning. Kunal Bose, Calcutto

### Consolidated Coffee up 8.6%

Consolidated Coffee, India's largest producer of coffee, reported an 8.64 per cent rise in profits to Rs261m (\$7.3m) for the year to end-March. Net profits were up 32 per cent to Rs135.47m. Revenues increased 23.34 per cent to Rs865m. Earnings per share rose from Rs10.82 to Rs14.25 and the company plans to maintain the annual dividend at Rs6 a share, including an interim of Rs3.5. Analysts forecast a good rise in group sales and profits this year because of the sharp increase in coffee prices. Kunal Bose

# Benpres lowers offer price

Benpres Holdings, the Philippine utility and infrastructure conglomerate, yesterday said it was lowering the price of its rights issue but would still be raising 9.15bn pesos (\$347m). The group, which has investments in broadcasting, banking, power, water. property, infrastructure and telecoms, said it would be issuing more shares and changing the ratio of the offering from 1-for-3 to 2-for-5.

The bulk of the proceeds will be invested in its telecoms subsidiary, Bayan Telecommunications. Under government obligations, telecoms companies must invest in rolling out new land lines. The timing of the offering has not been finalised.

Benpres will also be offering \$150m of Eurobonds with a spread of 155 basis points over the five-year Treasury note and a coupon of 7% per cent, J.P. Morgan Securities, the lead manager, announced yesterday.

Comments and press releases about international companies coverage can be sent by c-mail to international.companies@ft.com

Merrill Lynch

ALC:

tilligg tungs .

-189 Th aand for many 1 7100 3 -

# 1 x Marie po 1.00 **♦** • • • • •

F 4 .

MA ALA am in approte ingstream del A ... ment . Piphas: M.Far-

Military .

part of the second 2 Barelle 1 Bitt of the are -Marine Services  $\psi_i(dy) = e^{-i(x+y)}$ . . . . . .

4 1607 "

I TOTAL CO.

A ...

# Big banks pursue Argentine purse

Investment, advertising and a law change are set to prise pesos from mattresses, says Ken Warn

tress. A recent history punctusted by bank failures and hyperinflation has made savers extremely wary of putting their cash into domestic

Bank account ownership remains low even among the middle classes. Although Argentina has the region's highest par capita gross domestic product, at more than \$8,700, bank deposits are only 18.9 per cent es a percentage of GDP, against 40.3 per cent in neighbouring

But all thet looks to be changing. Newspapers and television carry ever more advertisements for banking services, credit cards and mortgages - another tiny equity markets to add to its but fast-growing market.

Later this year, companies will be required by law to pay salaries through the banking system, a move that will bring a whole new class of customer through the banks' doors.

The recent wave of invest. ment by international banks shows they have high hopes

for the sector. The \$600m-plus purchase late last month by HSBC Holdings of the financial services group which includes Banco Roberts, the country's 10th largest bank, comes amid a round of buying and

consolidation in the sector. Only days before, Spain's Banco Santander bought 85.1 per cent, and control, of Banco Rio de la Plata for region after Mexico's Decem-\$700m. The bank will be ber 1994 devaluation. In the Banco Rio de la Plata for merged with the group's financial turmoil that folown Banco Santander lowed, \$8bn, or 18 per cent of Argentina to create one of total deposits, fled the the country's biggest private

Earlier in tha month, Banco Bilbao Vizcaya, of links the peso to the dollar. Spain, through its associate Banco Francés del Rio de la Plata, paid \$466m for 72 per cent of Banco de Credito Argentino, again with the aim of merging the two than 200 to about 140.

rgentines can be for vying with Argentina's nomic think-tank "Now we given for kaeping Banco de Galicia y Buenos are seeing an aggressive concash under the mat- Aires to be the dominant private sector bank

These three "will account for approximately 20 per cent of the market", says Mr Jorge Scarinci, of Robert Fleming Argentina. "These banks are in a different category from the rest of the system: each of them has more than 160 branches, with assets of around \$9bn, high quality asset performance, and acceptable efficiency levels."

Banco de Galicia has chosen a different route from other local banks, aiming to financa development from its own resources rather than seek a big foreign war chest.

ince 1995 Galicia has poured money into its branch network, now more than 200-strong, and regional credit card busi-

Galicia denies it plans large local purchases, but does not rule out smaller buys to add more branches. It believes its investments in branches and staff leave it well placed to fight off competition from the two new Spanish-dominated groups.

The round of consolidation in the sector is fundamentally different from the series of closures and mergers that followed the "tequila crisis" which hit the Argentine banking system, threatening tha country's convertibility law, which

In the ensuing rationalisation, weak institutions either linked with stronger ones or went to the wall. The number of banks fell from more

"After the 'tequila' we saw The spending spree by for- a process of defensive coneign institutions leaves centration," says Mr Martin Banco Santander and BBV Redrado, chairman of Funda-

# Argentine bank deposits



The consolidation looks et to continue. "Argentina's banking system profile is becoming more like that of developed markets, with a few big players and soms niche operators," says Mr Enrique Ruete, chief execusuitor. Last November it tive of Grupo Roberts, after raised about \$150m on the its sale to HSBC. "Ws want to be one of those players."

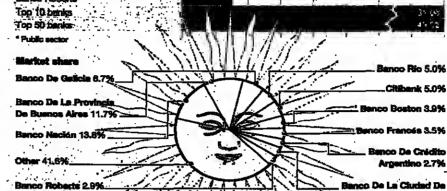
have breached \$60bn.

grow.

The central bank, limited in its capacity to act as a lender of last resort by the convertibility law, has welcomed the consolidation and increased foreign participation. It sees them as being good both for the strength of the financial system and for

For the latter, there is certainly room for improve- ing a statement.

#### Deposits (Sbri) as at Dec 1996 0 1 2 3 4 3 5 7 Banco De La Provincia De Buenos A demand for banking services The fall in the number of institutions has been accompanied by a "flight to quality". At the start of last year, the leading 20 banks held 64 per cent of deposits; now their total stands at 75 per



ment. Loan rates and charges are high. Simply owning a checking account can cost more than \$20 a month, with extra charges

"The banking system used to be able to make money need more capital and better technology to serve consumers. This is where the for-

The triple-A

bank that's

making a

new name

for itself in

London.

eign institutions come in." As competition sharpens just by trading bonds," Mr and banks battle for custom-Redrado says. "Now they ers, it seems likely that more of the country's dollars and their hiding places.

Buenos Aires 3.2%

# Inco disposes of alloys unit for \$410m

By Bernard Simon in Toronto

Inco, the western world's biggest nickel producer, has agreed to sell its alloys business to New York's Blackstone Group for \$410m.

Blackstone, a privatelyheld investment bank, plans to merge Inco Alloys International with 80 per centowned Haynes International, an Indiana-based nickel and alloys producer.

Inco, which supplies 27 per cent of world nickal consumption, expects to realise an \$85m after-tax gain from tha sale, which has been expected for some time. It said the proceeds, due to be received in the fourth quar-ter of this year, would be used to repay debt and buy back shares

Inco pledged to buy back one third of its shares over five years at the time of last year's \$3bn acquisition of the Voisey's Bay nickel, copper and cobalt deposit in eastern Labrador.

However, no share buy-

backs have so far taken place. Mr Manford Mallory. analyst at Research Capital in Toronto, said yesterday:
"I'll be s little disappointed if they don't throw some of this cash at the stock

market." A new question mark appeared over Inco's short-term prospects this month with the start of a strike at its flagship Ontario operations. An official said yesterday that sufficient inventories were in the pipeline to meet demand for up to two months.

Nevertheless, Inco may be forced to step up purchases of outside material on which margins are lower than metal from its own mines. IAI makes high-performance alloys for the eerospace, automotive, chemical

and power generation industries, among others. It has manufacturing plants in the US. UK and France.

The business has moved from losses in the early 1990s to a \$36m operating profit in 1996 on sales of \$645m.

# Cummins seeks \$1bn sales from joint ventures

By Peter Marsh

Cummins Engina, the US group which is the world's biggest maker of large diesel and Europe - currently 17 engines, plans to double over the next three years its share of annual revenues rise "a couple of percentage from joint ventures outside points" in each case. North America, to about

The company has manuatsu, of Japan, Italy's Fiat and Wartsilä of Finland - its main joint ventures in which Cummins has a stake of 50 per cent or less - and has a mins' overall earnings. stake in five manufacturing

India. In an interview, Mr Kiran Patel, Cummins chief financial officer, said revenues controlled by Cummins in these venturas should sila, part of the Metra indusincreasa to about \$1bn by 2000, with about threequarters of the additional sales coming from customers

outsida the US. Last year, these joint ven-Cummins' net earnings of pany views them as earlyprovide significant profits by generation of engines.

early next century. interest by many large US sel engines for trucks and manufacturers in expanding related applications above their operations outside 200hp, it also makes other North America, particularly engine types to compete

in south-east Asia. Curomins' sales last year nies: Caterpillar, Detroit Diewere \$5.260n, of which 56 per sel and the Perkins division cent came from the US. Mr of Lucas Varity.

Patel said this was likely to

however, form part of Cum-

sida its current expertise. For instance, with Warttrial group, it is building big engines for power generation projects based on engine

It is also involved in a subsidiaries - the New Hol-

Whils Cummins is the

The FT can help you reach additional business readers in France. Our link with the French business newspaper, Les Echos, gives you à unique recruitment advertising opportunity to capitalise on the FT's European readership and to target the French business world. For information on rates and further details please telephone:

Toby Finden-Crofts on +44 171 873 4027

# and their local partners ción Capital, a private eco-

decline to about 50 per cent by 2000. Accordingly, the share of revenues from Asia per cent and 14 per cent, respectively - was likely to

Under US accounting rules, revenues from joint ventures in which Cummins facturing projects with Kom- has an interest of 50 per cent or less are not consolidated into the company's sales. Profits from the ventures,

Cummins has set up the ventures in China and one in alliances partly to create a platform for international expansion and also to give it access to technologies out-

types already made by the Finnish company.

tures hardly contributed to \$300m project with two Flat \$160m. However, the com- land tractor company and the Iveco truck maker stage activities which should which will produce a new

The plans underline the world's biggest maker of disagainst three big US compa-

Banque AIG London Branch is the new name, but everything alse about our organisation is well established.

Located in Paris and London, Banque AIG is the European arm of AIG Financial Products Corp., a wholly owned and guaranteed subsidiary of American international Group, Inc., world leaders in Insurance and financial services.

Banque AIG combines triple-A debt ratings with creative structuring to give corporations, financial institutions, governments end egencies the confidence end quality they need in a long-term financial partner. Our ability to provide innovative structures including long-dated transactions offers our clients added flexibility. Our unique position in the currency, interest rate and equity markets generates valuable cross-market opportunities. And our expertise in legal, regulatory, accounting and tax matters leads to efficient and complete solutions.



4 Broadgate, London EC2M 2QS. Tel: +44 171 617 0400

46 rue de Bassano, Paris 75008. Tel: +33 1 49 52 36 00

ALG FINANCIAL PRODUCTS OFFICE NETWORK LUNDON PARIS HONG KONG SINGAPORE TOKYO WESTPORT

a concept."

# Peapod debut fails to meet expectations

Peapod, the online grocery store and delivery service, went public making group at \$265.5m. Early yesterday with a performance interwhich suggested cooling investor \$18%. ardour for internet retailing pio-

bookseller, Peapod came to the market above its originally estimated price. But demand appeared to dry up after an initial spurt of

shares were trading at their open-

Mr Ryan Jacob, analyst at IPO Value Monitor, said that Peapod, Like last month's initial public one of the first internet retailers to offering of Amazon.com, the online come to the market, had been expected to perform well because of interest from institutional

under a lot of selling pressure so come to the market.

At lunchtime yesterday the early on," he said. The initial offer hares were trading at their opening level of \$16, valuing the loss of between \$13 and \$15 - combined with an increase in the number of interest had lifted the price to shares offered had suggested keen demand

Mr Jacob blamed the decline on institutional investors seeking a quick profit. Investors keen to enjoy "one of

the last free lunches" have also been blamed for the relatively weak performance of Amazon.com, "It's disappointing that it came the first pure internet retailer to

ing unwillingness among investors Thomas, now senior group to make a bet on companies which are extremely difficult to value.

"Investors are not going to throw themselves at these companies like they have done over the last couple of years," said Mr Jacob.

They are less willing to pay for

Neither Peapod, which offers its service to several urban areas, nor Amazon.com is expected to be profitable until 1999 at the earliest. Peapor was set up in 1989 by Mr expansion into new markets.

Analysts also blame an increas- Andrew Parkinson and his brother

The two have a combined 20.4 per cent stake in company, which at yesterday's price would be worth about \$50m. The rest of the company is

owned by venture capital groups and WPP, the advertising group. Illinois-based Peapod will raise \$64m gross of fees from the deal, which will mainly be used to fund working capital requirements and AMERICAS NEWS DIGEST

# Lennar to focus on homebuilding

Lennar Corporation, a Mianu-based builder, yesterday announced a sweeping reorganisation, involving the \$500m spin-off of its commercial real estate business, LPC. and the merger of its remaining homebuilding business with Pacific Greystone Corporation, in a deal valued at about \$450m. The merged business will be the largest US homebuilder valued by cash-flow and the fifth largest by homes sold, the company said. Pacific Greystone operates in California, Arizona and Nevada, and Lennar has a strong presence in Florida and Texas.

The deal is the latest sign of consolidation in the highly fragmented US bomebuilding market, Since 1991, when housing starts were the lowest since the second world war, the industry has benefited from the improvement in the economy, with "Sun-belt" markets particularly buoyant. Consolidation has been spurred by the greater clout gained by large businesses in buying land, and by a growing willingness of family run concerns to sell out,

Under the tax free merger, Pacific Greystone shareholders will receive 1.138 shares of Lennar stock per Pacific Greystone share, giving current Lennar shareholders 68 per cent of the new Lennar Corporation. LPC is being spun off as a public company involved to real estate financing and development.

Tracy Corrigan, New York

### Sallie Mae seeks new chief

Sailie Mae, the US government-backed institution which finances student loans, will look for a new chief executive officer to head the company and review its management structure after its planned privatisation. The move follows a failed effort by both rebel directors and the existing management to get majority approval for competing privatisation plans.

The rebel plan involves a more aggressive expansion strategy, developing the company's role in lending to students in competition with banks, Under legislation passed last year, shareholder support is needed as part of the process of surrendering the Federal guarantee enjoyed by the institution.

Sallie Mae also said it would nominate 10 candidates for election to the 15-member board of directors of the bolding company as part of a new privatisation plan it will propose to charebolders next mooth. Mr David Vitale, vice-chairman of First Chicago NBD Corporation, was proposed as non-executive chairman of the holding

#### **CANTV** doubles unionised pay

Compañía Anônima Nacional Telefonos de Venezuela (CANTV) will increase the total income of its noionised employees by 118 per cent over two years, after the decision of a labour arbitration panel. The binding decision, which follows a three-week strike last March. will mean sharply increased labour costs for CANTV, one of the country's largest listed companies, which reported record profits last year.

A pay increase of 60 per cent will be granted this month with an additional 36.25 per cent increase in June 1995. CANTV said. In addition, CANTV workers will receive a one-off bonus, as well as increases in various employee benefits. They will lose five annual vacation days. The new labour contract applies to 6,500 of CANTV's 17,300 employees and lasts until June 1999.

Raymond Colitt, Caracas

dians. In

ach re210

マントナシュン主義

Andersen struggles with real democracy

Finding a chief to please both the accounting and the consultancy arms proves difficult

of a senior partner normally resembles a papal acclamation. Discreet lobbying precedes a puff of white smoke. But the biggest professional services firm in the world is struggling with an outbreak of real democracy.

The 2,700 partners in Andersen Worldwide, which includes Arthur Andersen, the accountant, and Andersen Consulting, the management consultant, have this week been sent electronic ballot forms for the second round of voting in the election of a chief executive.

In the first round they failed to give the board's nominee - Mr Jim Wadia, the bead of Andersen'e accountancy firm in the UK - the required two-thirds majority.

This time round they are being offered Mr George Shaheen, managing partner worldwide of the fast-growing Andersen Consulting.

A clear result in favour of Mr Shaheen is important for Andersen. If the partners fail to back him, a third round of voting could begin to damage the firm's global image of cool efficiency - especially in the growth market of management consulting.

Both candidates were floated at a partners' meeting in Paris in July and Mr Shaheen won marginally more support. But the board, which has an in-built major-

n the secretive world of arm, decided to push for the big firm the election ward Mr Wadia's name for ward Mr Wadia's name for what should have been e rubber stamping.

But the partners rejected Mr Wadia. Now the hoard is backing Mr Shaheen, and there are signs that he has made significant concessions that could land him the job when the result is announced around June 24.

"There has been an accommodation with the board," said one insider: "George has said he recognises the fears of the Arthur Andersen part-ners. He will soft pedal." An outline of Shaheen's policy platform is attached to the electronic ballot paper.

The differences go back to the Paris meeting. It was called to consider who should follow Mr Larry Weinbach as chief executive and managing partner when he stands down this summer. It also tried to find solutions to a series of problems that threatened to split Andersen down the middle. Andersen Consulting

became a separate firm in 1989. The rapid growth of the consultancy wing has led to "turf wars" between the two poor deal out of the current structure and financing.

included a complete divorce. floating the consultancy arm, or setting up a whole nest of separate firms copying the successful examity from the accountancy ple of Andersen Consulting.

ITOCHU CORPORATION

To the Holders of the Bearer Depositary Receipts

Shareholders of Huchu Corporation will be held at 19,00 a.m. on 27th June 1997, at the Omika Hend Office of the company located at 1-3 Kyntare-Machi, 4-Chouse, Chuo-Ku, Osuka, Japan. Notice of convocation of the meeting is available at the Cashiors Counter, Hambros Bank Ltd., 41 Tower Hill, London EC3N 4HA, U.K. and

Business Operations and Results for 1996/1997 Fiscal Year (coded 31st March, 1997)

The facal year ended March 31, 1997, witnessed economic growth h

The facal year ended March 31, 1997, witnessed economic growth in most national economics. The Japanese economy experienced a gradual recovery and corporate revenues and excalage enjoyed continued, albelt fragile, improvement throughout the puriod. During the term, although housing investment underplaned consumic expansion, a full off in public-section expenditures in summer 1996 led to such negative developments as a rise in the unemployment rate to a listorical peak, making the operating environment challenging, and growth is personal consumption legged. Moreover, historically low interest rates prompted recovery and growth in private-soctor capital investment in some industries, semiconductor investment was weak, and expansion in capital investment among small and stodium-sized enterprises was tackfurted a stiffing and noneeter-product over

structural impediments to economic recovery.

In trade, exports increased slightly while imports surged as a result of higher oil pricts and other factors. Consequently, Japan's trade surplus continued to surrow. Furthermore, interest rate differences between Japan and the United States widened, leading to the depreciation of the Yeu and appreciation of the Dollar, especially in the second half of the turn. In the United States, personal consumption and capital investment increased steadily and economic expansion continued throughout the term. In Europe, although Germany and France underwest economic slowdowns in the first half of the period so they worked to better balance their budgets in anticipation of monetary union in January 1999, both constrains cajored alight recoveries in the second balk. In contrast, China and Anian countries entered economic adjustment phases as they worked to subdue building and limit imports. The communic growth rates of these sustions slowed slightly but remained relatively high. Against this backdrop, Rochu made steady progress lawards its real of

rance of mess marons moved sugarry but remained relatively high.

Against this backdrop, Nochus made steady progress towards its goal of
becoming a globally integrated corporation by the 21st century. The
fucal period under review covered the last year of "Global 96", a threeyear, medium-turm plan under which the company further solidified its
revenue and extuding hase and made timely investments for future
growth and prospecity.

We actively promoted business expansion in Asia and China, which are

We actively promoted beniness expansion in Asia and China, which are enjoying remarkable economic growth. Concretely, we invested in the production of chemical fertilizer and insulators for high-voltage transmission, the countraction of a petrochemical plant, and the expansion of a clush store operation in China. In Indonesta, we participated in steel-plate processing and autural rubber production operations. Moreover, we agreed to acquire a capital stake in the largest pulp and paper manufacturing company in south cast Asia.

In information and telecommunications technologies, we introduced Japan's first digital, multichannel broadcasting service, Perfec TV, which transmits via the JCSAT-3 satellite. In the comparison, we established Javafund in conjunction with Sun Microsystems Inc., and other partners and invested aggressively in Venture Capital Businesses. In addition, we actively promoted the development of stationary and mobile telecommunications houseness, especially in Ania and South America and implemented fining-oriented growth publicles.

In natural resource development, adming his commenced in an efficient and natural gas exploration and development project in Sakka For an eli well development project in the Azerbaijan Republic,

In addition, land prices continued to assume and nonperform remained a serious problem for bunking and finance institution structural impediments to consumic recovery.

between Andersen Consulting and Arthur Andersen's burgeoning consultancy.

In a show of solidarity, partners at the Paris meet ing voted more than 90 per cent in favour of keeping the organisation together. Mr Wadia'e election - as the first non-US chief executive - would have confirmed the impression that the Paris meeting had marked the start of peace among the

Dartners insist privately that Mr Shaheen's platform is just as securely based on keeping the firm together as Mr

"There is no difference on the policy of keeping the firm together. They both stood on that platform," said one senior partner on the consulting side. "It's a difference of pace at the most no difference in the shape of the organisation they see or its aims or development. It's

told partners in Paris - with reforms designed to stop the Options considered turf wars. This could include candidacy signals the emeran agreed demarcation of what consultancy services Arthur Andersen can offer.



all about acceleration and A clear result for George Shaheen is important for Andersen's image of cool efficiency

The implication is that Mr all the organisation's part-

But will be win? More than anything Mr Shaheen's gence of the power of Andersen Consulting. "It's the difference between the Arthur

To win, Mr Shaheen will making hay, "The longer it businesses. Consulting part. Shaheen may press shead - ners with him before making need all the Andersen Conners also think they get a although not as fast as he any radical reforms. 700 and 800 of the Arthur Andersen votes. It is not clear that he will win - any more than Jim did." said one US partner.

A third round of voting is efficiency may just get him Mr Shaheen seems also to Andersen vision and the 'a real, and potentially dam- the votes be needs. have signalled that once in Andersen Consulting aging, possibility. Meanwhile office he would seek to carry vision," said one UK partner. Anderseo'e competitors are

The perception that failing to endorse Mr Shaheen would further undermine the organisation's image for

Jim Kelly

**CONSOLIDATED** 

ANNUAL REPORT

Statement of forms period April 1, 1996 to Mush 21, 1997) in Allicome in Allicome in Allicome of Yen	Consolidated Not Sales 3,433 (r mion) (Year andrd March 31) 8,120 8,000
Net sales	1,000 2,000 1,000 1,000
Balance Sheet	(Merch 31, 1997) in Millione of Yen
Assets	Liabilities and Shareholders' Equity
Cash and cash equivalents	Short-term borrowings and current portion of long-term debt
Inventories1,068,154	Other current liabilities
Other current assets	Long-term liabilities1,139,883
Property, plant and equipment1,425,299	Minority Interests 59,670
Other assets 921,336	Shareholders' equity
	Total liabilities and

As these Bourds have been the one are bound to the way to



**Henkel Corporation** 

Gulph Milis, Pennsylvania, U.S.A.

DM 150,000,000 2% Exchangeable Bonds of 1997/2003

unconditionally and irrevocably guarenteed

Henkel KGaA

COMMERZBANK

COMMERZ FINANCIAL PRODUCTS GMBH

COMMERZ FINANCIAL PRODUCTS S.A.

The Financial Times plans to publish a Survey on

France

on Wednesday, September 24

For further information, please contact:

Lindsay Sheppard

Tei: +44 171 873 3225 Fax: +44 171 873 3204

or Paul Maraviglia

Tel: +33 1 53 76 82 51 Fax: +33 1 53 76 82 53

or your usual Financial Times representative

HSBC TRINKAUS

DRESONER KLEINWORT BENSON DRESONER BANK AKTION (ELELLISCHAFT MERRIL LYNCH INTERNATIONAL

NOTICE IS HEREBY GIVEN to the holders of the Bonds that the Board of Direction of the Company by a resolution dated 10th March, 1995 made a free listribution of Common Shares to the Shareholders as a dividend. Pursuent to Clause 6(c) of the Trust Deed constituting the Boods, the Convention Price of the Bonds has been adjusted from Woo 21,481 to Woo 20,769 effective

12th June, 1997

June 12, 1997

6

ell and netwral gas exploration and development project in Sakhalin.

For an ell well development project in the Azerbalian Republic, we worked to acquire crude-oil concession rights and maintain independent oil development operations. In Quint, we decided in participate in a liquided natural gas (LNG) project. Sales for the term advanced overall, supported by such factors as a gradual economic recovery, a weakening Yen and rising crude off prices. However, the escapany changed its method of accounting for precious metals trading to one based on trading gains or fouce, and the resulting shurp decrease in incials trading transactions led to a 8.5 percent (1.315.3 billion Yen) decline, compared with the previous term, in nonconsolidated total trading transactions in 14,176.4 billion Yen.

Gross trading profit edged up 2.3 percent (4.7 billion Yen) to 216.8 billion Yen, but since selling, general and administrative expenses rose 1.4 billion Yen over the previous term, trading income advanced just 3.3 billion Yen over the previous term, trading income advanced just 3.3 billion Yen in 2.7 billion Yen in the previous term, trading income advanced just 3.3 billion Yen in our other previous term, trading income as a result of a gain on sales of marketable accurities and a reduction in financial consense, are therefore marketable accurities and a eduction in financial expense dillon Yea) to 51.7 billion Yea. ses, ordinary profit rose 27.1 percent (11.0

The company posted 41.9 hillion Yen in extraordinary losses owing to provisions had debt and to the reorganization and disposal of subsidiaries and affiliates. On the other hand, a gain on sales of investment in securities contributed extraordinary profits of 8.3 billion was loss of 23.6 hillion. Yen. The net result of extraordinary items was a loss of 33.6 billion Yen. ors, net income for the term grew 8.4 percent (0.8 billion Yen) in 11.1 billion Yen.

Annual report for Fiscal 1997 will be available at Hombros Sank Ltd., and Banque Internationale 4 Luxembourg S.A. by the end of July, 1997.



£100,000,000 DOMUS MORTGAGE FINANCE NO.1 pic Mortgage Backed Floating Rate Notes due 2014

In accordance with the conditions of the Notes, notice is hereby given, that for the three month period June 10, 1997 to September 10, 1997 the Notes will carry a rate of interest of 71 per cent, per annum with a coupen amount of \$1,789.59. By: The Chase Manhetten Benk London, Agent Bank CHASE

CITICORPO US3200,000.000

RICATING RATES INCIDES DUE SEPTEMBER 2002

Notice is hearthy given that the finite of interest has been fixed or 5,952% and that the interest payable on the relevant interest Payment Data September 12, 1997 against Coupon No. 6 will be US\$152.95 in respect of US\$10,000 nominal of the notes. Arrie 12, 1997 By: Calbook, N.A. (Corporate Agency & Trust), Agent Book CITIBANCO

No. USISPS of 1997
IN DISE HIGH COURT OF FUSTICE
CHANCERY DIVISION
COMPANIES COURT
IN THE MATTER OF C & J CLARK,
LAMIED AND IN THE MATTER OF
THE COMPANIES ACT 1985
NOTICE IS REFREELY GIVEN that a Petition
the Petition was to 23 May 1997 presented to
Sir Mighay 1 High Court of Austral by C. & J.
Clark, Lincal the Company) for.
(If the maniforing of a Schame of Antangament
the Schame); and
C2 Schame; and the Schemat, and
III he soofmunico of the reduction of the share
capital of the Company from \$92,326,467 to
\$15,04,842 (the Reshoots)
AND NOTICE IS RURTHER GIVEN that the

AND NOTICE IS PRINTIER GIVEN that the Petition is directed as be hered before the Comparison Count height of the Boyel Counts of Justice, Strend, London WCIA ZLL on Zi Jaya 1997. ANY creating a shapeholder of the Company deniving to oppose the making of an Order for the waterion of the Scheme or the Rocherton should appear at the term of heaving in person or by Commel for the purpose. A copy of the Petition will be liarrished to any person requiring one by the Solutions remainded below on payment of the resident charge.

DATED 12 have 1997

Freshfields, 65 Feet Street, London EC4Y HSS Reference WPLIFVESTS

Solutions for the Company

**PUBLIC NOTICES** 

SECTION 8
WATER INDUSTRY ACT 1991
ENVIRO-LOGIC LIMITED lotics is given that on 2 June 1997 Free Logic Ltd of 42-46 Weymouth Street, London WIN JLQ applied to the Director General of Water Services for an appointment is water undertaken to replace appointment is water undertaker to replace South East Water Led in respect of the reta-at Beathourse Digities General Hospital, E. Souses BN21 2UD is prefere occupied by Easthourse Hospital NHS Treat. The

spelantum is made in the circ

\$100,000,000 ANGLO IRISH BANKCORP Anglo Irish Bank

Corporation ple Floating Rate Notes due 1996 For the 3 month interest Period June 10, 1997 to September 10, 1997 the Rate of interest has been set at 6,84768 per cent, per annum with interest Amounts of £172.60 and £1,725.99 psyable per £10,000 and £100,000 Notes

respectively. The relevant Interest Payment Date is September 10, 1997. By: The Charp Marketine Ba Agent Sant O CHASE June 12, 1997

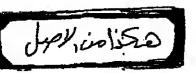
To the Holders of Restructured Obligations Backed by Senior Assets, B.V.

Pursuant to the Indenture dated Pursuant to the Indenture dated May 1, 1930, as amended end restated as of June 15, 1990, between the Issuer end State. Street Bank and Trust Company, as Trustee, notice is hereby given that for the Interest Accrual Period June 10, 1997 through September 9, 1997, the rates applicable to the Secured Senior and Secured Senior and Secured Senior Subordinated Floeting Rate. Notes are 6.1125% and 6.5625%, respectively. U.S. \$250,000,000

**Westpac Banking Corporation** 

Floating Rate Notes due 1997 In accordance with the provisions of the Notes, notice is hereby given that for the interest Period from June 12, 1997 to September 12, 1997 the Notes will carry an interest Rate of 6.1625% per annum. The interest payable on the relevant interest payment date, September 12, 1997 will be U.S. \$15.75 per U.S. \$1,000 Note, U.S. \$157.49 per U.S. \$10,000 Note.

By: The Chase Manhattan Bank London, Agent Bank June 12, 1997



U.S. \$1,574.86 per U.S. \$100,000 Note. O CHASE German group's proposed deal with Sommer Allibert has sparked a storm in the industry

racing through characing unrough the otic traffic into town might be surprised to see, alongside the plethora of usual colourful Russian roadside hoardings, more down-to-earth signs advertising the wares of Tarkett, a German flooring company.

Lennar to face

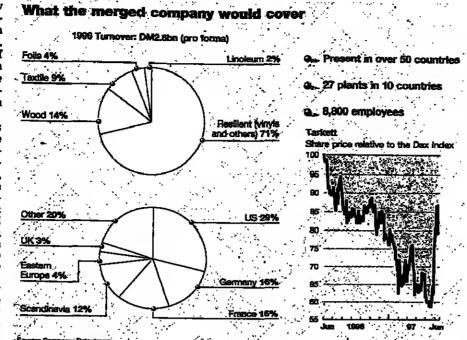
on homebuilding

SER LATER TOWN IN .

But the fact that the signs are there illustrates the atively little-known company from Frankenthal. south of Frankfurt, which has grown from humbler origins to become the biggest manufacturer of wood and vinyl floor coverings in Europe with worldwide sales of about DM1.4bn (\$818.7m) and about one-fifth of the European market.

The signs on the Moscow streets also indicate the far-reaching extent of the floor-covering industry, with sales worldwide last year in the vinyl flooring market alone - of more than som The market has now grown to such a size, and the prospect for further growth is so great, that emotions have suddenly begun to run high in the normally placed floorcovering industry: a fierce takeover battle erupted this week, with Tarkett in the eye of the storm.

This is the biggest thing to happen in the industry since Tarkett bought into Pegulan [then the biggest German flooring manufacturer, which Tarkett bought in 1987]," says Mr Arend Dikkers, analyst at Salomon Brothers in London.



The battle started when Armstrong World Industries, the large Pennsylvaniabased manufacturer of floorcoverings, launched an unsolicited bld for Domco, the Canadian floor manufacturer controlled by Sommer Allibert, the French plastics processor. Armstrong said it would pay C\$488m (US\$375m) for all outstand-

ing shares in the company. Armstrong's unexpected move was in retaliation to the announcement last month by Tarkett and Sommer Allibert that they were

coverings businesses including Domco - in a DML36bn deal. This would form a single group, to be called Sommer Tarkett, and would be a serious challenger to Armstrong's preeminent position in the world market

Such a move towards consolidation in Europe's flooring industry had been anticipated, although analysts were surprised it was the two market leaders which decided to merge rather than the handful of other, smaller companies. The flooring going to merge their floor- markets of the fast-growing

and the US are expanding more slowly.

split into national markets with big operators in each country but no effectively pan-European group. So the potential through economies of scale for cost savings is there," says Mr Dikkers. In contrast, the market is much more concentrated in the US where Armstrong has 60 per cent market share.

countries of eastern Europe and Asia are growing rapidly, but the more mature markets of western Europe

"The European market is

confidence. Investors have reacted with equal enthusiasm -

complicated. Tarkett agreed said they could recoup the to huy Sommer Allibert's estimated DM25m restructflooring business - which uring costs within a year, has about 17 per cent of the with annual gains of between DM70m and DM100m beginning to be accrued after three years. Sommer Allibert agreed to But the move set alarm bells ringing in Pennsylvania. It represented a dent to

Armstrong's ambitions to

expand internationally, espe-

cially in Europe. Armstrong

ه کذامن المعیل

Sommer Allibert debt. announced it had been in private talks with Sommer he proposed deal was Allibert and had made an offer of \$775m for Sommer's greeted with enthusiasm by observers who flooring husiness - before said the merger was a good the Sommer-Tarkett link-up. It claims Sommer broke off fit. Tarkett is the market the talks last month - just leader in resilient flooring in Germany and Scandinavia two days before the agreement with Tarkett - and but is a relatively small player in the US. Sommer thus broke an agreement Allibert, on the other hand, with Armstrong. The US company is vowing to push is a market leader in France on with its bid and is chaland the Benelux countries. Of the two, Tarkett is bigger lenging the Sommer-Tarkett in eastern Europe. As for the move in the courts. Yester-US, the combined Tarkett day, it said it had begun an Sommer could have as much action in the Ontario Court as 20 per cent of US market against the directors of

European vinyl flooring mar-

ket - for DM705m. in return,

buy 60 per cent of Tarkett

for DM658.3m in a public

offer to which it would pay

DM32.75 a share for 20.1m

Tarkett shares. Tarkett would take on DM250m of

share in some areas. Domco and Sommer Allibert. "It makes tremendous Sommer Allibert has sense to put these two comrejected Armstrong's bid for panies together in Europe, lts \$7 per cent stake in says Mr Dikkers. The move Domco. If Armstrong fails to win over the French compato greater geographical diversification would also ny's board, it will have to provide protection from the rely on putting pressure on Domco's minority shareholdcycles of the European construction industry. Tarkett ers to force the deal through. was hit hard in Germany But it may have a hard time last year after the downturn convincing them that Its in business and consumer apparent spoiling strategy offers better longer-term value than Sommer-Tarkett's plans.

with Tarkett's shares rising Graham Bowley sharply. The two companies

EUROPEAN NEWS DIGEST

# Lower oil prices leave Neste flat

Neste, the Finnish oil, chemicals and energy group. yesterday forecast an improvement on last year's operating profits of FM1.08bn (\$209.7m), as it unveiled a small advance for the first four months of this year.

lt reported January-April profits before extraordinary items of FM214m, compared with FM219m in the same period last year. "Despite uncertainty in respect of the crude price and other market prices, there is reason to believe that overall, Neste's operating profit for 1997 will improve on 1996," it said. Neste said the recent period was affected by a FM250m book loss at the group's oil division. because of lower crude oil prices. "Neste's basic petroleum inventories are not hedged against fluctuations

in the oil price.\* It said.

The group said progress had been made in negotiations on the sale of its 50 per cent holding in petrochemicals group Borealis, which it owns with Statoil, of Norway. The four-month figures were struck on sales of FM14.69bn, against FM14.41bn last time. Operating profits were FM412m compared with FM405m, and earnings per share FM1.90 against FM1.65. Reuter, Helsinki

#### Metra reports solid gain

Metra, the Finnish engineering group, yesterday reported a solid gain in net profits for the first four months. It said It expected full-year 1997 profits after financial items to improve over last year's FM894m (\$175m) and that group net sales would rise to FM15bn from FM11.7bn.

The forecast follows a rise in net profits for the January-April period from FM18m to FM26m. New orders were FM5.4bn, compared with FM4.1bn a year earlier, the company said. Sales climbed from FM3.16bn to FM3.99bn.

#### Rautaruukki posts 20% fall

Rautaruukki, the Finnish steel group, reported profits for the January-April period, before extraordinaries and tax, down 20 per cent from FM357m a year ago to FM285m (\$55.9m). It attributed the decline to lower prices during the period. However, it predicted a 10 per cent rise in both flat and long steel prices this year from end-1996 levels. "We expect prices of both flat and long steel products to be about 10 per cent higher at the end of the year," said Mr Mikko Kivimaki, chief executive.

# Lufthansa in link-up with French regional airline

By Graham Bowley in Frankfurt

Lufthansa will today airline industry.

yesterday the link-up would be signed in Paris today by Mr Frederick Reid, president of Lufthansa Airlines.

and increase our presence where we are not strong. the company said.

the new partner. However, it Airlines of the US launched said the airline focused on regional flights but also provided services beyond France. The link-up would initially be in passenger flights, but Lufthansa was also looking at strengthening relations on the freight side, it added.

which could deliver flights It is also looking for a new latest alliance would take.

already has links with Thai

Lufthansa would not name led by Lufthansa and United an alliance offering flights to all the world's main cities. On a more regional level, Lufthansa has relationships with smaller local partners, such as British Midland, Finnair and Lauda Air.

marketing links, while in Lufthansa said it had been others Lufthansa has taken position in the French mar-talking to a number of an equity stake. Lufthansa regional partners in Europe. refused to say what form the

announce a new alliance with a French regional airline, in a move which will broaden its strategic relations within the European The German carrier said

"The idea is to get a strong

within the French market partner in Asia; where it Airways. Last month, five airlines

Some of these alliances are

INTEREST RATES BONDS FOREIGN EXCHANGE EQUITIES COMMODITIES FUTURES FORWARDS OPTIONS EXOTICS SWAPTIONS \_\_

**FinancialCAD** No limits to what you can do in finance



# Download **FREE today**

www.financialcad.com or call London 0171-495 3334

If you think the technology you need costs tens of thousands of dollars, think again. Windows, Windows 95/NT, Excel, Visual Basic, Visual C++, Borland Delphi and UNIX (July 97)

### **CONTRACTS & TENDERS**

THE REPUBLIC OF KAZAKHSTAN SEMIPALATINSK CITY AKIM APPARAT PROJECT IMPLEMENTATION UNIT IRTYSH RIVER BRIDGE CONSTRUCTION PROJECT

> INVITATION FOR TENDER (International Competitive Bidding)

- The Republic of Kazakhstan has received a loan from the Overseas Economic Cooperation Fund (OECF) of Japan towards the cost of Irtysh River Bridge Constructico Project (Loan No. KAZ-P2 dated March 12, 1997).
- The executing agency, Semipalatinsk City Akim Apparat (SCAA) invites sealed Tenders from eligible Tenderers from the said Project of 7,860 m long, including the fabrication and construction of a steel Suspension Road Bridge having 750 m main span and 35 m width (2 x 3 lanes and two pedestrian footways) over Irtysh River in Semipalatinsk City.
- Tenderers are required to have the significant experiences in designing, fabricating and constructing complete steel suspension bridge with a main span of not less than 500 m on a turnkcy basis as a prime contractor or the leader company in case of a joint venture or
- consortium, within last 25 years and shall have adequate financial resources. Interested parties may obtain further information at the following address:

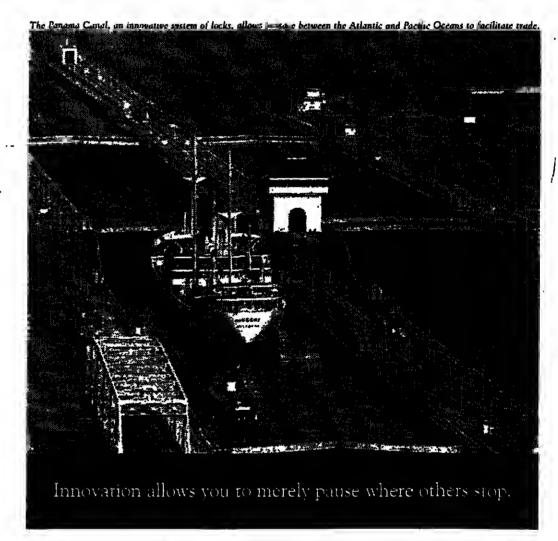
Project Director, Mr. Turarkhan TATTYBEKOV Project Implementation Unit (PIU)

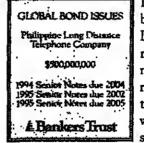
Irrysh River Bridge Construction Project 110, Dostoevsky Street Semipalatinsk 490050

Telephone: 07-322-2-66 54 12 Facsimile: 07-322-2-62 35 50

Republic of Kazakhstan 5. A complete set of Tender Documents may be purchased by interested parties co the submit of a written application to the above and upon payment of non-refundable US Dollar 2,000 (two thousand) to the Office of Project Director, as from June 26 1997 on all working days during

Tenders, which shall be prepared by using, Two-Envelope Bidding Procedure and addressed to the Project Director, shall be delivered not later than 10 (ten) o'clock Semipalatinsk Current Standard Time on August 20 1997. Any tender received after this time will not be considered and will be returned to the Tenderer unopened.





In a culture that prizes innovation, the biggest challenges become the greatest opportunities. Philippine Long Distance Telephone Company's desire to bring state-ofrhe-art technological innovations to its service area was met by a seemingly impassable obstacle: the challenge of raising large-scale capital in market conditions that had turned skittish towards all developing nations. Together, we designed a first-of-its-kind creative solution. Based on substantive knowledge of the industry, local and global

insights about the region, and the resources and credibility of our full-service worldwide network, we structured the first ever Global Bond offering by a Philippine issuer, and the first such registered with the SEC in the U.S. Then we worked collaboratively with PLDT to effectively market this breakthrough offering. Based on this initial achievement, we successfully marketed their two-tranche bond the following year. The ingenuity displayed by both partners throughout this relationship so impressed the financial community that we were awarded "Deal of the Year" by two publications: Corporate Finance, for two years running, and Asiamoney. We welcome the opportunity to discuss how we can develop equally innovative solutions to your financial challenges.

**▲** Bankers Trust

# Wallenbergs shuffle holding in ABB

By Christopher Brown-Humes in Stockholm

Sweden's Wallenbarg industrial family last night announced a significant reshuffling of its investmant portfolio, involving tha SKr12.4bn (\$1.59bn) sale by Incentive of nearly half of its stake in ABB, in one of the country's biggest corporate deals this year.

Incentive, a key Wallenberg industrial holding group, is selling half of the shares in the Swiss-Swedish engineering group to Investor, the main Wallenberg holding company.

The balance of tha shares is

**Preussag** 

in talks

Hapag

By Andrew Fisher in Frankfurt

company.

investors.

Preussag, the German steel

and engineering group, is in

talks with corporate share-

holders of Hapag-Lloyd

about buying a majority

stake in the container ship-

ping, transport and tourism

Preussag, which has been

reshaping its activities, said

it wanted to add Hapag-

Lloyd's businesses to its

own industrial transport

the early 1980s, its shares

have been held by banks

and companies. Only about

1 per cent is held by private

Preussag said the quoted

share price of nearly

DM1,000 was uo guide to

Hapag's value; price would

be discussed after due dili-

gence investigations. Hapag

last year raised net profits

23 per cent to DMS0m

(\$46.6m) on turnover up 3

Preussag shares rose 2.7 per cent to DM514.50 yester-

day in reaction to the pro-

posed deal. The company

have uo problem in buying

Hapag. For the year to Sep-

problems in its steel and

Hapag sbareholders

include Veba, the diversified

energy group; Lufthansa;

Deutsche Bank; Dresdner

Bank; the Metro retail group; and Gevaert, the Bel-

gian holding company. Indi-

rect stakes are beld by

industrial plant activities.

tember 30 1996, Preussag

has liquid assets of about DM2.5bn and said it would

per cent at DM4.5bn.

and freight operations.

international investors.

The deal will help Incentive fund the \$1.5bn acquisition of Vivra, the US healthcare group, which is due to be completed this Friday.

It also puts it in a strong position to make further acquisitions in the medical technology sector, which it has mada a priority.

At the same time, it gives Investor, which owns 27 per cent of the capital of incentive and 36 per cent of the votes, a stronger direct stake in ABB and avoids a significant dilution of the Wallenberg holding.

The deal continues the corporate streamlining of Incentive, which

towards medical technology following the purchase of Gambro, a

Swedish group, and Vivra. The company will derive about 65 per cent of its sales and 80 per cent of its earnings from medical tachnology once the transactions

are completed. lt has a particularly strong global position in dialysis products and renal care.

Incentive's capital gain on the sale will be about SKr9.9bn, meaning that its debt after buying Vivra will be about SKr8bn.

Further sales of non-core operations, including its remaining

being placed with Swedish and has become increasingly oriented shares in ABB and Electrolux, the bousebold appliances group, are expected in due course

Incentive is selling 55.5m shares, corresponding to 5.9 per cent of ABB's capital and 8 per cent of its votes, to investor for SKr6.4bn. This part of the deal will not be completed until next January,

partly to limit the tax payable on the whole transaction to SKrl.3bn. The remaining 54.5m shares representing 5.8 per cent of the capital and 7.8 per cent of the votes - have been sold to Morgan Stanley Dean Witter, the US investment bank, for SKr6bn for placing with

The price was based on ABB's. closing share price in Stockholm yesterday of SKr114.50.

Incentive confirmed that it might sell some or all of its remaining ABB shares, amounting to 12.6 percent of the capital and 16.9 per cent of the votes. However, it bad agreed not to do this before March

next year One analyst welcomed Incentive's sale of a "low-returning noncore asset" as it would substantially lower group debt. But be added it was negative that the company was having to pay any tax on the deal, and said he would reduce profit forecasts

Production of Ford's new

HN80 truck series, which

was introduced last year,

will be continued by Daimler

at a Freightliner plant but

The acquisition doubles

the size of the Freightliner

dealer network with the

addition of 250 dealers. The Daimler deal follows

Ford's decision to withdraw

from the beavy trucks

business in order to focus on

It could herald a pick-up in

rationalisation in the trucks

industry, adding greater pressure to smaller rivals

Mr Jürgen Schrempp, Daimler-Benz chairman, said

that the deal meant the

group could now pursue its

programme of international

isation in the truck business "Now, in addition to max-

imising our capacity utilisa-

tion even better, we will be

able to broaden our leading

position in the very profit-

able North American truck

The deal comes against a

such as Mack and Volvo.

cars and light trucks.

under a naw brand name.

### EUROPEAN NEWS DIGEST

# Suez shareholders approve merger

Shareholders in Suez, the French holding company. vesterday approved overwhelmingly a merger with Lyonnaise des Eaux to create a utilities group with an estimated net profit in 1997 of FFr3.5bn (\$603m).

Under the merger, which was proposed earlier this year, Suez investors will be paid a net exceptional dividend of FFr24.6 a share, and receive 41 Lyonnaise shares for each 20 they hold in their own company.

Speaking at the Suez annual meeting yesterday, Mr

Gérard Mestrallet, chairman, pledged to double not earnings per share within five years. He said Sucz had during 1996 transformed itself from a largely financial group into an industrial group with a firm Franco-Belgian

Suez-Lyonnaise would concentrate primarily on four areas - energy, water, cleaning services and communication – which Mr Mestrallet said had strong potential for growth, in view of the rate of urbanisation in the developing world and environmental demands in developed countries.

Suez investors voted 99.9 per cent in favour of the plan. preparing the way for a vote by Lyonnaise des Eaux sharebolders at their annual meeting next week. They also approved the nomination of Mr Albert Frère, the Belgian financier, to the board, representing his company Electrafina, which has become a significant juvestor.

#### Strong demand for OTE

Greek retail investors yesterday flocked to order shares in OTE, the state telecommunications operator which will sell 10-12 per cent of its equity next week under Greece's partial privatisation programme.

Officials sald more than Dr30bn (\$292.5m) of orders were ilaced yesterday for a retail tranche amounting to Dr100bn. A further Dr200bu is being made available to international and domestic institutions The indicative share price was set at Dr6,200-Dr6,900 and retail investors will be given a Dr200 discount. On the Athens stock exchange, OTE's share price surged to Dr7,450 yesterday with more than 500,000 shares changing hands.

Officials said Greek and foreign institutions were buying beavily because they feared their share allocations would be restricted.

#### Uzbekistan in metals tender

Uzbekistan will bold a tender for a 40 per cent stake in its big Almalyk base and precious metals plant to raise

\$400m, the group's head said on Wednesday. "We got bids from South Korea's Daewoo Corp, US company Gerald Metal, Switzerland's Glencore and a consortium of Germany's Thyssen, Handelsunion, Siemens, and Sweden's Svedala International," said Mr Vitaly Segedin. He said blds would be accepted until July 31 and firm tender offers from August 15 to October 15. The company's assets had been estimated by Uzbekistan's state property committee and foreign consultancy companies at slightly more than \$1bn, he added.

Mr Segedin said last year the operation made a net profit of 120m sums (\$1.95m), compared with losses of 2.5bn sums in 1995. It produced 100,000 tonnes of copper last year - largely cathode and wire - 6 per cent more than in 1995. He declined to give production figures for Reuter, Almalyk, Uzbekistan

### Rodamco earnings rise 27%

Rodamco, the Robeco Group's property investment operation, yesterday posted a 27 per cent rise in first-quarter net profit per share, to Fl 0.90m from

F10.71m. The Dutch company attributed the advance to beightened activity during the quarter, including the acquisition of a shopping centre in Leicester in the UK. and 14 other commercial rental properties in and around

It also paid Fl 290m (\$152.6m) for an interest in an office building under construction in Singapore. Managing director Mr Johan Kremers was upbeat on prospects for the full year, saying the group was on track to develop rental income. For Robeco Group, net profits were up 5

# Daimler's US trucks buy cleared By Graham Bowley in Frankfurt

to acquire

Daimler-Benz, tha German industrial group, has been given the go-ahead hy US and Canadian regulatory authorities to buy Ford's US heavy trucks business

The deal is estimated to be worth \$250m-\$300m and will cameut Daimler's leading position in the US market. Daimler said the move would be the first big expansion of its traditional busi-

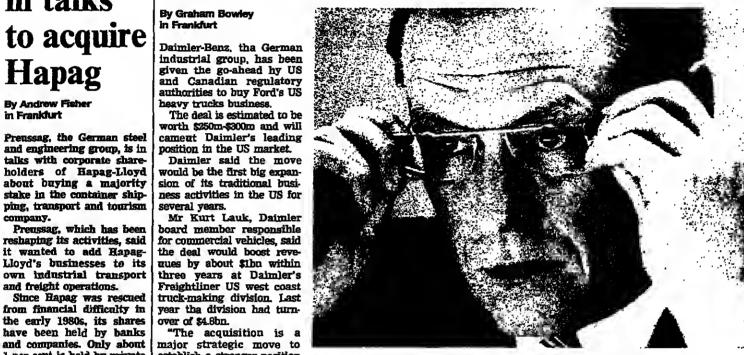
ness activities in the US for several years. Mr Kurt Lauk, Daimler board member responsible for commercial vehicles, said the deal would boost reveuues by about \$1bn within three years at Daimler's Freightliner US west coast

over of \$4.8bn. "The acquisition is a major strategic move to establish a stronger position in a rapidly changing US trucks market." Mr Lauk

said. He said Daimler would now attempt to push more strongly into international markets, especially in Nafta

But he added it was also looking closely at east Asian

By Greg McIvor



Jürgen Schrempp: "The move means the group can pursue internationalisation"

and Middle Eastern truck 30 per cent market share.

The move will add Ford's on-site truck business which has a 10 per cent There is definitely a portshare of the US market - to folio fit." Freightliner's long-haul

Mr Philip Aython, analyst based Freightliner will gain at BZW in London, said: "It control of Ford's truck prois a powerful combination.

Under the deal, which was exchange of factories or truck activities, which has a agreed by the two companies

grammes, assembly equip-

husiness," he said. early last month, Oregoubackground of slightly improved demand in the US trucks industry. This market ment, tooling and technolgrew strongly until 1995, but there was a sharp deterioraogy, hut there will be no tion last year which hit earn-

Autoliv rocked as executives quit ate effect. The company gave merged company, with Mr the company which he led which has 55 per cent of its no explanation.

merged company, with Mr the company which he led which has 55 per cent of its for 14 years until taking a net sales in Europe, com-

> not disrupt efforts to weld together the merged

led by Mr Tom Hartman, formerly of Morton, is to run the US operations until successors to Mr Musone and

#### which was attributed to largest car seat belt and air- on the Stockholm stock of directors - made up of day that he had been surbag supplier, was thrown exchange. The departures representatives from both into disarray yesterday by come only a few weeks after companies - announced the unexpected resignation Autoliv completed its abruptly in April that Mr

The resignations hit Auto-

reported net income of Autoliv, the Swedisb-US liv shares, which closed DM274m, a 21 per cent fall group which is the world's down SKr3.50 at SKr306.50 of the head of its North merger with the car safety American operations and of business of Morton of the another top executive. US. The deal created a group .Mr Fred Musone, chief with annual sales of \$3bn operating officer of Autoliv and more than 40 per cent of in the US, and Mr Robert the airbag market in the US, Rapone, head of manufactur-Europe and Japan.

insurers Allianz and Munich | ing, said they were leaving Mr Musone had originally been appointed to bead the

tive, becoming chairman. However, Autoliv's board of directors

Bark would become chief executive and chairman. Mr Musone was relegated to Mr Bark's deputy, with responsibility for US operations.

The move took investors by surprise, as Mr Bark had previously indicated a desire to take a less active role in

serving former chief execu- non-executive position last pared with 35 per cent in Mr Bark admitted yester-

prised by the two departures, suggesting that Mr Musone was aggreeved at not being given the chief executive's job. However, he had no expla-

nation wby Mr Rapone, who had been recruited by Mr Musone, was also leaving. He said the board had decided it wanted a Euro- Mr Rapone are appointed. pean to run the company, Autoliv said.

June 9, 1997

North America. Mr Bark insisted that the

group's European and US A management committee

per cent in the quarter, to Fl 12.9m

These securities have not been registered under the Securities Act of 1933 and may not be offered or sold in the United States absent registration or an applicable exemption from the registration requirements. These securities having been sold, this announcement appears as a matter of record only.

New Issue



# **Sutton Bridge Financing Limited**

£195,000,000 8.625% Guaranteed Secured Bonds due 2022 US\$150,000,000 7.97% Guaranteed Secured Bonds due 2022

This project financing is unconditionally and irrevocably guaranteed by

# **Sutton Bridge Power**

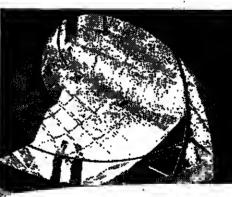
an affiliate of



These securities were sold in transactions pursuant to exemptions from registration under the Securities Act of 1933.

**BZW** 

**Merrill Lynch International** 



# FF 31.14

- A dividend of FF 31.14
- A company which listens to shareholders
- Sustained and satisfactory

The company held its shareholders' Ordinary General Meeting on 4 June 1997. It was chaired by Mr Georges Mazaud, 13,879 shareholders were present or represented, and the meeting was able to approve the accounts for the 1996 financial year and all the resolutions proposed.

### Mutual trust

Result and dividend

The company recorded a net result of FF 363,696,079 and the total distribution was fixed at FF 319,289,754, giving a net dividend per share of FF 20.76. With the addition of a tax credit of FF 10.38, the total dividend per unit came to FF 31.14,

The dividend will be paid in cash on 4 July 1997.

### Sharehalder's guide

When the 1996 annual report was published, SIMCO gave some thought to its relations with its shareholders and has now published a short review on the subject which is available from the

The annual report for the financial year 1996 is available on request from the: Direction de la Communication Financien 34, rue de la fédération 75737 PARIS Cedex 15 . Tét. : 33 1 40 61 66 35

Extract from the Chairman's message Mr Georges Mazaud concluded his addiess with the following words:

The French property sector has just come through a veritable revolution the effects of which continue to reverberate and look set to have a lastina impact on our activities.

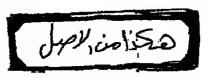
Our business corresponds to a fundamental human and social need which gives us obsolute confidence in the future of our profession

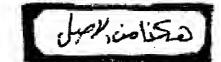
I would like you to share this vision one belief."

### Activity 1997

Results for the first five months of 1997 are in line with forecasts.

FORTH COMING EVENTS: HALF YEARLY RESURTS, 24 SEPTEMBER 1997





#### **COMPANIES AND FINANCE: UK AND IRELAND**

# Granada promises a 'tremendous upside'

By Scheherazade Daneshkhu, Leisure Industries Correspondent

obrave merger

Charles ...

**建** 

Aire .

MARK OF LINE

THE RESERVE

1.00

4

30

.

matter i - a

Water or a

gen in

**4** 

Im at

## 14 FA 15

Fring the property of the

With Service .

Granada Group yesterday reported first-half profits at the top of expectations. while promising a "tremen-dous upside" from tight management of Forte after last year's £3.9bn hostile

Mr Gerry Robinson, chairman of tha television and leithe computer services division would be sold "if we got tha right price for it." The division - valued by analysts at £70m (\$114m) - was built up after £216m of pur-

chases in the late 1980s. The group made a computer sarvices goodwill write-off of £166.7m. The exceptional loss partly offset more than £200m of gains on the sale of hotels and other assets acquired through the Forte takeover.

The company is also

selling the French motorway service stations, valued by analysis at £80m, which it acquired through the Forte takeover.

Pre-tax profits for the 26 weeks to March 29 rose 33 per cent to £243m (£183.3m), excluding a net £22.8m exceptional gain, on sales up 34 per cent to £2bn.

Profits in the media division rose 13 per cent to sure group, also said that £89.3m, belped by a 7 per cent increase in net advertising revenue. Mr Charles Allen, chief executive, said the group would continue to pursue international expansion in programme supply and to develop the pay television market.

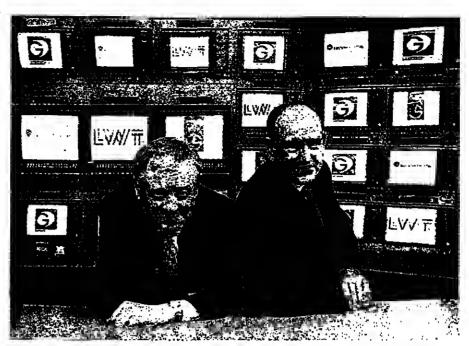
The hotels division made profits of £116.4m (£25.8m). Last year's figures included only two months of trading from Forte. Hotel profits rose by 58 per cent on a likefor like basis Profita of the London

believed to be considering botels rose 22 per cent on the back of strong demand, while international botel profits grew by 50 per cent. This vindicated the group's decision to retain the Le Méridien chain, said Mr Allen.

Profits at provincial hotels rose 21 per cent after they were regrouped into clusters overseen by regional managers. The 148 general managers have been replaced by 58 regional managers.

The rental division increased profits 4 per cent to £63.5m. A rise in insurance premium tax to 17.5 per cent would add £18m a year to costs if no action were taken. Therefore Granada has closed 100 shops.

Net debt fell £860m to £2.67bn. Disposals since the Forte takaovar totalled £1.3bn - including more than £200m of non-Forte assets. Interest cover was 2.9 times and would approach 4



Gerry Robinson (left) with Charles Allen: seek international growth in programme supply

# **Expro** expands in Mexico

By Christopher Adams

Expro International, the oilfield servicea group, is investing beavily to expand ont of the UK market into areas such as the Gulf of Mexico where deep water exploration has taken off in recent years.

Mr John Dawson, chief executive, said the increasing development of deep water oilfields was fuelling demand for advanced subsea equipment to complete wells thousands of feet below the

Shares in the group, which floated two years ago at 175p, jumped 221/2p to 490p yesterday as it unveiled a 24 per cent rise in pre-tax profits to £17.8m for the year to March 31.

Capital expenditure rose from £8.9m (\$14.5m) to £14.9m and was expected to increase "significantly" this year. Operating margins slipped only slightly from 18 to 17.3 per cent as turnover rose 28 per cent from £82.2m

office in Venezuela and bas (PPV) broadcasters digital developed an ultrasound technology to pulverise drill | Village, its production unit. cuttings small enough to be dispersed by wave motion. estimated at £200m (\$326m)

RESULTS

r Bernia Ecclestone is the ringmaster who ended up owning the circus. The full story of his enterprise, Formula One Holdings, is more complex, but the metaphor captures how Mr Ecclestone's family is poised to reap the rewards of his

vision and marketing skills. Formula One Holdings, which sells television rights to the world's leading motor sport, hopes shortly to make its international stock market debut. By tomorrow, FOH's directors and its financial adviser, US investment bank Salomon Brothers, will decide

whether to float in July or, more likely, to wait until September. Whatever they decide, Mr Ecclestone's role in making a commercial enterprise out of F1 racing has been remarkabla. What is the business? Formula One Holdings has a 25-year contract, to the end of 2021, with Federation Internationale de l'Automobile, motor sport's world governing body, to manage the commercial

championship. It makes the arrangements with circuit owners for individual grands prix and negotiates the sale of broadcast rights. It also Expro bas opened an supplies to pay-per-view television feeds from Globa Of its annual revenues,

affairs of the F1

# Lord of the rings

John Griffiths, Clay Harris and Patrick Harverson examine the questions surrounding the flotation of Formula One Holdings

How did Mr Eccle

for the current year, 47 per cent is paid to the racing teams. The company retains the other 53 per cent, from which it pays the FIA an undisclosed flat fee, FOH expects an operating profit of about £85m this year. Who owns the company? Offshore family trusts of Mr Ecclestone's 39-year-old wife, Slavica. He transferred it to her last year in a "normal estate planning exercise". Why is it being floated? The Ecclestone interests want to diversify their wealth by crystallising soma of the value of the enterprise. They also need to solve the "succession" question, a serious issue for a company run almost single-handedly by a man who will be 67 in October. So, what happens if he is. run down by a stray F1 car? Management has been

installed to support Mr Ecclestone, who stays as chief executive. His deputy is to be Mr Marco Piccining, Ferrari's former team manager and sporting director. Mir David Wilson, a former senior executive at

Ladbroke Group, is finance

director. Mr Helmut Werner,

ex-head of Mercedes-Benz, is recognised the potential non-executive chairman. buge demand for sports What is the company worth? programming. In the late Analysts' formal estimates 1990s, then president of the are not yet available but Formula One Constructors unofficial figures have Association, Mr Ecclestone ranged from £1.4bn to sold his own team. Brabham £1.8bn. They have applied a to concentrate on further standard media sector commercial exploitation of F1 on behalf of the teams. F1 multiple to the discounted value of future cash flows was then a minority interest, long-term broadcast with races mostly broadcast contracts - and added on an ad hoc basis. Mr estimates of PPV earnings. Ecclestone skilfully How much of the valuation repackaged and repromoted F1, requiring broadcasters to "buy" a whole season of 16 relates to PPV? Between 20 and 30 per cent, depending or 17 races. Each grand prix on the analyst. How important is PPV to is shown in more than 100 the company's future? countries and watched by at The company argues that F1 least 100m viewers. The realisation that his racing is perfectly suited to PPV exploitation of digital

business now appeared to be technology which enables worth more than £1bn the viewer to switch prompted racing teams to between multiple cameras demand a piece of the action. during each race. Sceptics, They are now discussing a however, doubt that PPV plan to trade some revenue for an equity stake. will succeed commercially Could dissidents set up a when the basic version of a product is also broadcast rival championship? "free", as F1 intends to Teams dance to the tune of remain, to provide the mass corporate sponsors, who do not want their logos to audience sponsors require. ar from TV screens to have so much control? because of a squabble over a He spotted an opportunity few percentage points of and filled a vacuum. He revenue. It is no coincidence

By Andrew Taylor,

Construction Correspondent

Meyer International, the

builders merchant and

Britain's biggest timber

importer, is on the look-out

for acquisitions in the US and UK following a sharp

Mr Alan Peterson, who

takes over as chief executive

at the end of this year, said

more expansive moves were

expected in the US with

acquisitions in the UK likely

He said the group was well

placed financially, with net

casb of £8.9m (\$14.5m) on

March 31, compared with net

debt of £37.9m a year earlier.

Meyer's pre-tax profits

before exceptionals rosa a

fifth to £45.4m (£37.6m).

Heavy costs, mainly reorgan-

ising the Jewson builders

rise in annual profits.

to be "bolt-ons".

that FOH's board includes Mr Walter Thoma of Philip Morris, a big sponsor. Speaking of Philip Morris, don't plans to ban tobacco sponsorship pose a threat to FI revenues? FOH gets no revenues from

currently rely heavily on tobacco groups, but they believe if a ban became effective, plenty of other sponsors are waiting in the wings. Teams, bowever, might lose the 10-15 per cent premium tobacco groups are willing to pay because they have so few other advertising opportunities. Is there a danger the **European Commission will** ban the central marketing of sports broadcast rights? This is unlikely, but FOH argues that even if action were taken against some sports. F1 would be less vulnerable because its commitment to "free" television addresses the commission's main concern that viewers are being forced to pay to watch sport. What happens now?

If FOH gave the go-shead tomorrow, a prospectus would be issued and four to six weeks of international marketing would begin with a target date for trading to begin in late July. Advisers prefer no delay, because stock markets are ao strong. But putting it off until September would give more time to market a business requiring a lot of careful

merchants chain, reduced

the pre-tax line the previous

Mr Peterson said the now-

completed Jewson reorgani-

sation would generate

savings of £3m this year.

Divisional operating profits had slipped last year to

£22.1m (£24.9m) mainly

because of the reorganisa-

tion and lower sales follow-

Profits, bowever, were

expected to rise this year on

the back of the UK housing

and construction recovery

and from higher-margin

business at the expanding

Hire Point and decorating

Profits from timber and

builders merchants in the

Netherlands rose to £8.4m

(£6.7m) despite heavy invest-

mant in information

centre businesses.

ing some branch closures.

year to just £1.1m.

# Ferry companies expect approval

LEX COMMENT

Granada

return on Granada's investment after one year. But there

is maybe £30m a year pre-tax from possible reductions on Yorkshire's bloated licence fees.

Disgrantled Yorkshire investors are muttering about

earlier talk of a £17 bid, so it is not in the bag. But there seems little reason for further falls in Granada's shares, which have underperformed the market by 10 per cent

since March. Strip out its BSkyB stake and its prospective 1997 price/earnings ratio is 5 per cent below the market

Concerns are growing about the cyclicality of earnings

from television advertising and botels. In TV this looks unwarranted. Granada offers significant growth from pro-

gramme sales. Hotel profits growth could slow in 1998, but there is a way out. Sell Méridien, Heritage and the Lon-

don hotels, and almost all that would be left from Gran-

ada's Forte acquisition would be the less cyclical Post

House and Little Chef chains - and a fat profit.

average, despite superior growth prospects.

Granada

Share price relative to the FTSE All-Share index

Granada's falling share

price suggests concerns

over its deal-making abili-

ties. But if it gets York-

shire Tyne-Tees at £11.75p

a share, the management's

reputation looks assured.

Profit enhancement of

some £20m is achievable

from axing Yorkshire'a

head office, rationalising

and sales and creating a

TV bloc in the north of

England. Yorkshire's prof-

its are projected at £40m in

1998 Add in merger bene-

fits and that is an unexcit-

ing 7% per cent post-tax

NEWS DIGEST

programme production 110

The two ferry companies seeking to combine cross-Channel services to compete more effectively with Eurotunnel said yesterday they were confident of approval from the European Commission, even though it has expressed "serious doubts".

Lord Sterling, chairman of the Peninsular and Oriental Steam Navigation Company, said both P&O and Stena Line expected to receive a letter of comfort from the Commission approving the deal by early July.

In a joint announcement, the two said the Commission was concerned about a possible duopoly in the carriage of tourist vehicles across the Channel. Regulators had also highlighted the need to keep the proposed joint venture separate from other operations of its parents. The merger has been approved by French authorities

Publication of a report from the UK Monopolies and Mergers Commission is expected shortly. Under plans announced last October, the companies plan to merge operation of 14 ships on the eastern Channel, creating a joint venture with gross assets of £410m. Ross Tieman

### Porter Chadburn refocused

Operating prout from continuing operations at Porter Chadburn, the packaging and label concern, rose 24 per cent to £5.1m (\$8.3m) in the year to March 28 on turnover down from £76.8m to £72.1m.

Mr Pat Barrett, chairman, said that acquisitions in the UK and US during the second half, together with small but developing ventures in Canada and Mexico, had com-pleted the reshaping of the group into a focused interna-tional label business. The shares firmed 2p to 22p. The pre-tax line of £4.57m compared with a deficit of

£4.51m, struck after an £8.62m exceptional loss on disposal of a discontinued operation.

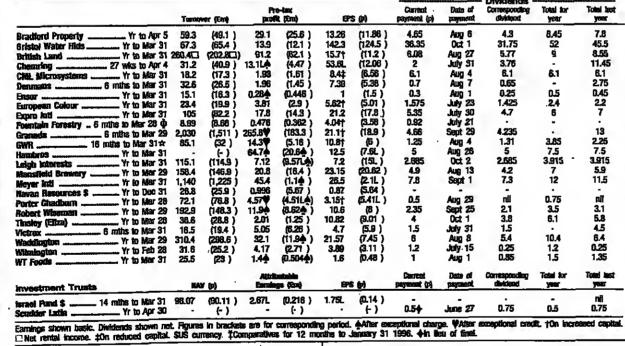
### Copper price fall hits Navan

The rapid fall in the copper price as a result of the Sumitomo/Hamanaka affair, coupled with a stagnation in the gold price, led Navan Resources, the Irish mining group, to report lower full year pre-tax profits of \$996,000. This compared with last time's \$5.67m, which included a \$4m exceptional foreign currency translation gain.

### Chemring shares recover

Chemring shares bounced back 22%p to 100p yesterday after the manufacturer of anti-missile decoys revealed the extent of first-half losses and exceptional charges which and been foreshadowed two months ago.

Underlying losses before tax and exceptionals were £1.19m, compared with a profit of £5.03m last time. Exceptional costs totalled £11.3m leaving the pre-tax deficit at £13.1m (£4.47m profit). Turnover fell 24 per cent to £31m. The group expects a return to profit at the operating level in the second half of the current year, albeit at a lower level than last year.





### OFFICE OF FAIR TRADING

Biffpack and Wastepack UK Ltd notification of compliance schemes The Producer Responsibility Obligations (Packaging

Waste) Regulations 1997 ("the Regulations") Under these Regulations, certain businesses have obligations regarding the recovery and recycling of packaging. They can either act alone to meet the requirements of the Regulations, or join a registered compliance scheme which will assume this responsibility.

The Director General of Fair Trading has a duty to undertake a competition scrutiny of all compliance schemes prior to their

The Director General has received submissions concerning the operation of two separate compliance schemes. They are: (i) Britpack, a scheme to be operated by Biffa Waste Services Ltd; and (n) Wastepack UK Ltd.

Both schemes will be open to all industry sectors and will cover all maternal types to which the Regulations apply. The Director General invites comments from interested third parties in relation to the schemes to be operated by Biffa Waste Services Ltd and Wastepack UK Ltd. They should be addressed to:

Office of Fair Trading Competition Policy Division Field House 15-25 Bream's Buildings

London EC4A IPR Tel: 0171 269 8953 Please contact Mr Biocksidge if you require summaries of the

To be considered as part of this consultation, comments must be received by 30 June 1997.

SGA SOCIETE GENERALE ACCEPTANCE N.V.

FRF 300 000 000

TME FLOORED BONDS DUE JUNE 15, 2000

ISIN CODE: XS-6037973418

Notice is hereby given to the Bonds Condition 4. "Interest", the rate of interest applicable to the period from June 15, 1996 to June 15, 1997 is 7.50 %. This rate of interest has been determinated according to the Condition 4. (ii), i.e. "The bonds bear interest at a rate which is the higher of Annual Average of TME - 0.10 % or 7.50 % per annum", (Annual Average of TME for the above mentionned period being 6.021 %. Therefore, the interest payable against surrender of coupon at 5 will be: FRF 750.00 per Bond in the denomination of FRF 10 000.

THE PRINCIPAL PAYING AGENT

THE PRINCIPAL PAYING AGENT SOCIETE GENERALE BANK & TRUST SA. LITHEMBOURG

REPUBLIC OF SLOVENIA
FLOATING RATE AMORTIZING BONDS DUE 2006
DEM 93 814 000 SERIES DEM-2
ISIN CODE: X50066643346 ISIN CODE: XS006664346

For the period June 11, 1997 to December 11, 1997 the new rate has been fixed at 3.625 % P.A.

Next payment date: December 11, 1997

Coupon ar: 3

Amount:

DEM 16.75 for the denomination of DEM 1 000 taking into account a pool factor of 0.9090910

THE PENCEPAL PAYING AGENT

SOCIETE GENERALE BANK & TRUST S.A.

LUXEMBOURG

REPUBLIC OF SLOVENIA

FLOATING RATE AMORTIZING BONDS DUE 2006
USD 426 272 800 SERIES USD-1
ISIN CODE: X50066642371

For the period June 11, 1997 to December 11, 1997
the new rate has been fixed at 6.75 % P.A.
Next payment date: December 11, 1997
Compon at : 3

USD 31, 19 for the denomination of USD 1 000
taking into account a pool factor of 0.9090910
THE PRINCIPAL PAYING ACENT
SOCIETE GENERALE BANK & TRUST S.A.
LUKEMBOURG

PCI-Parcom B.V., Utrecht

A group of financial investors led by

Meyer seeks US buys

and including NatWest (Nominees) Ltd. has together with management acquired 100% of

Edscha - Group, Remscheid

a leading manufacturer of car hinges and convertible car top systems.

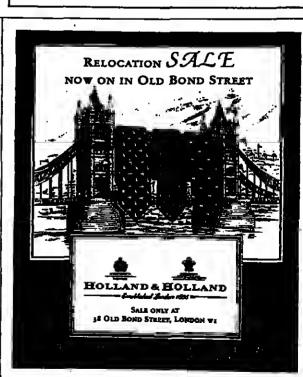
Palladion Partners, Frankfurt

arranged the transaction.

ARTHUR ANDERSEN, Frankfurt, acted as investigating accountants and tax consultants.

PEPUBLIC OF SLOVENIA
FLOATING RATE AMORTIZING BONDS DUE 2006
DEM 161 674 000 SERIES DEEM-1
ISIN CODE: x50066643007 For the period June 11, 1997 to Determber 11, 1997 the new rate has been fixed at 4 % P.A. Next payment date: December 11, 1997 Coupon nr: 3
Amount: Amount:
DEM 18,48 for the denomination of DEM 1 000 taking into account 2 pool factor of 0.9090910
THE PRINCIPAL PAYING AGENT SOCIETE GENERALE BANK & TRUST S.A. LUXEMBOURG

٠, ز٧



REPUBLIC OF SLOVENIA
FLOATING RATE AMORTIZING BONDS DUE 2006
USD 219 895 000 SERIES USD-2
ISIN CODE; XS0066642538 For the period June 11, 1997 to December 11, 1997 the new rate has been fixed at 6.3125 % P.A.
Next payment date: December 11, 1997
Compon at: 3
Amount: USD 11.80 for the decomination of USD 1 000 taking into account a pool factor of 0.3677070 THE PRINCIPAL PAYING AGENT SOCIETE GENERALE BANK & TRUST SALUXEMBOURG

GOVERNMENT BONDS in London and Jane

Martinson in New York European bond markets headed higher yesterday on reports that European politicians might still reach a deal on the stability pact for economic and monetary union.

Most analysts were surprised the market had found comfort in tentative reports about a deal given the upheavals in recent weeks. timely start for Emn but I row's Franco-German sum- with its inflation target.

aged by the Bundesbank and the single currency which the French Socialist government wants," said Mr Huw
Roberts at NatWest Markets.

TRENCE OATs ended the
day slightly higher, the June "If things work ont otherwise, the markets look very vulnerable."

way higher with the Septemment figures showing the ber BTP future settling at number of jobless had fallen 130.80, up from 129.88. The less than expected. Average spread over bunds tightened 13 basis points to 137 points. omy in April rose 4.5 per

believe you're on a collision mit. The September bund course between a curo envis-course between a curo envis-future opened slightly future settled at 1132, up 3. higher but came off in the afternoon, settling at 100.76, down 13 basis points.

FRENCH OATs ended the nominal future settled at 129.62, up 0.14. UK GILTS ross slightly,

ITALIAN BTPs led tha belped by May unemployearnings for the whole econ-GERMAN BUNDS were cent, which the Bank of Everything's priced for a still volatile ahead of tomor- England has said is in line

higher at mid-session as the market waited for economic

New international bond issues

The benchmark 30-year bond rose & to 97%, yielding 6.819 per cent. Since it breached the 7 per cent yield barrier soon after the Federal Reserve decided not to lift interest rates, sentiment seems to have improved.

data later this week

Analysts said trading would continue in a fairly tight range until new economic information was released. Weekly unemploy-

The September long gilt ment and monthly retail impact on prices as overseas sales data will be published investors continued to find today and figures on pro- US Treasuries attractive. ducer prices tomorrow

> today's details "wiggly and wobbly factoids which promise to whipsaw the markets . Spain's fixed-income if investors get off their futures exchange, Meff, said euphoric kick and try to it would reduce the nominal trade on facts".

> The market is expected to trade on each new piece of per cent from December. information in the run-up to the next meeting of the Federal Reserve Open Market

Committee in July.

The two-year note rose à Mr David Munro of High to 100%, yielding 6.146 per Frequency Economics, called cent, while the 10-year rose a to 100 , yielding 6.587 per cent.

coupon on its 10-year bond future from 9 per cent to 6.5 Meff said the change reflected lower Spanish interest rates and was part of an effort to prepare for A weaker dollar had little the introduction of the euro.

## CAPITAL MARKETS NEWS DIGEST

# Uruguay rated investment grade

Uruguay received its first investment grade rating yesterday when Moody's, the US rating agency, raised the country's foreign currency debt ceiling to Baa3, from Ba1. The short-term debt rating was raised to Prime 3. from Not Prime. The new ratings will apply to existing debt, as well as to a widely-expected issue of Yankee bonds.

"Ongoing economic and political reform has contributed to improvements in the public finances and helped to reduce the public-sector debt burden," Moody's said. Inflation is at its lowest in 20 years and Moody's expects it to continue to fall. The ratings, bowever, remain vulnerable to a devaluation. "Virtually ali public debt is dollar-denominated and therefore a large devaluation would increase debt and debt servicing." Moody's said.

Uruguay's long-term foreign currency debt is rated BB+ by Standard & Poor's, the other large US agency, and IBCA, the European agency.

## Saudi fund open to foreigners

Foreigners will for the first time be able to invest in Saudi shares, following the launch of a new investment vehicle, Saudi Arabian Investment Fund (SAIF), which will be tisted in London.

Saudi American Bank (Samba), a local bank which is 30 per cent owned by Citibank of the US, will manage the fund and act as domestic placing agent. ING Barings will be international placing agent. When the Saudi Arabian Monetary Agency (SAMA), the central bank, authorised Samba to launch the closed-ended fund in April, bankers said SAIF would aim to raise up to \$250m.

The Saudi market's total capitalisation stood at \$48.7bn at the end of April. Liquidity has risen in recent months, with average daily turnover reaching \$45m in the first quarter, against an average \$20m in 1995. Previously, share trading was restricted to Saudi nationals, with a few companies open to citizens of five other Gulf states.

#### Liffe real-time data on web

Investors will have access to real-time price data on London-listed derivatives through the internet, the London International Financial Futures and Options Exchange said yesterday.

Prices on bond, interest rate and equity derivatives are available, with a delay, on Liffe's internet site free of charge. But a new agreement with three quote vendors will allow access to real-time data. The data vendors. Electronic Share Information, Telekurs and Virtual Telecom, will charge a fee to users, part of which will be

paid to the exchange. "The ability to distribute real-time data via the fast growing medium of the world wide web will ensure that more end-users will have access to Liffe prices, therefore enabling them to manage their investments better," said Mr Daniel Hodson, Liffe chief executive. Samer Iskandar

CONTRACTOR

# More dollar issues in variety of maturities

INTERNATIONAL BONDS By Samer Iskandar

and Edward Luce

of dollar-Issnance denominated paper resumed its hectic pace yesterday, but maturitles were more diverse than in recent sessions, which were dominated

by 10-year issues. Primary activity was also lively in the French franc advance of European monesector, despite rumours that tary union. banks were selling the currency against D-Marks on the foreign exchange

ITALY took the normally sleepy French market by storm with a debut 10-year deal of FFr5bn. The bond, priced to yield 18 basis points over 10-year OATs the tightest yet on an Italian 10-year issue – was taken up with enthusiasm by French

"French investors are nor-

Traders attributed the success of the deal to Italy's 159 points on Brazilian sovstrong ties to France and the relatively generous spread on offar compared with recent issues in French francs from Portugal and

Italy, which has recently issued both Swiss franc and suro-denominated bonds, said the deal was designed to broaden its investor base in

A banker at J.P. Morgan said almost a third of the bonds ware sold to non-French investors, an unusu-

ally high proportion. European central banks were also said to have bought the psper and the lead managers said the spread had tightened marginally in the hours after the

largest industrial group, tapped the eurodollar marmally quite cautious," said ket for the first time with a CDC Marches, which jointly \$400m eight-year offering although demand might not led the deal with J.P.Mor- callable after five years.

ereign paper - the deal was seen as a success

A banker at ING Barings, sole manager, said that about 60 per cent of the paper went to US funds. ABN AMRO priced its selfled \$750m 10-year global deal

to yield 59 basis points over Treasuries. The bank said it saw strong demand, in spite of recent over-supply of 10-year paper, with a large proportion of the issue going to US investors.

"There has been very little issuance of subordinated bank debt," a syndicate manager said. Traders said yield spreads were widening on recent

10-year issues as investors

dumped paper that bad

failed to perform.

However, swap spreads VOTORANTIM, Brazil's remain wide, allowing borrowers to raise cheap funds in the 10-year area. This could foster further supply, be sufficient to absorb it. Other borrowers chose to

EURO FUTURES OPTIONS (LIFFE) DM250,000 points of 100% - CALLS

III NOTIONAL ITALIAN GOVT. BOND (BTP) FUTURES

130.12 130.80 +0.92 130.80 130.08 103.85 104.00 +0.77 103.85 103.85

Jun 113-29 114-00 +0-04 114-05 113-25 2703 Sep 113-14 113-19 +0-03 113-25 113-11 63053 IL LONG GELT FUTURES OPTIONS (LIFE) 250,000 64ths of 100%

W US TREASURY BOND FUTURES (CST) \$100,000 32nds of 100%

NOTIONAL LONG TERM JAPANESE GOVT. BOND FUTURES (LIFFE) Y100m 100ms of 100%

0.29 0.59 0.87

0.84

Low

Spread Book-runner bp [61] 598.5767 Dec 1993 0.107 +15574Dec39 Normara International State 99.5167 Jun 2002 0.2767 (a)(61/44es)022 Lehrman/Morgan Stanley 99.5167 Jun 2005 0.507 +210(65/94-02) IV Morgan Securities 99.527 Jun 2007 0.6267 +220(65/94-02) IV Morgan Securities 99.517 Jun 1998 0.10 -2257 -13(61/44es)02 Dec40 Brothers Inti Lehrman Brothers Inti 99.575 99.7757 Dec 1999 0.157 +17(61/44es)00 Dec 2012 0.507 +17(61/44es)00 Dec 2012 0.507 +17(61/44es)00 Dec 2014 Dec 2012 0.507 +17(61/44es)00 Dec 2014 Dec 2012 0.507 +17(61/44es)00 Dec 2014 II US DOLLARS Assocs Corp of Nith America National Australia Bankis) Votomentim O'seas Trading(b) Votorantin Creati Tradingl CESP(c) Svenste Handeisbenkent: Lloyde Benk Wasti.B Finance(Cureged) Drescher Finance LB Schleswig-Holstein Bremer Landesbenk(s) ABS (ntl Finance(e)) Benpres Holdings Centauri Corp E STEPLENO 23.503R undeted 0.75R +100(9Oct08) CSFB 150 8.25 CSFB, London Branch(f) I FRENCH FRANCE 27835 CDC Merchés/JP Morgan 99.919R Jtd 2007 0.325R E SWISS FRANCS CSFB CSFB. Landon Branchia 4.375 I ITALIAN LIRE CS Financial Producta(n) Beyertsche Hypoth B DANISH (GECNER) 99.95R 100.00R 2006n 1506n 400 5.875 101.93 Jul 2004 1.875 Kredietbank Intl Group M ENCLIDOS Argentaria Global Financet
as NEW ZEALAND DOLLARS 10bn 100.00 Jul 2007 0.15 Benco Clef forddeutsche Landesbank

Final terms, non-calleble unless stated. Yield sprised lover relevant government bond; at leanet supplied by lead manager. 
\*Unlisted. \$Convertible. ‡ Floating-rate note. #Semi-annual cospon. Rt. fiscal re-offer prior; feee shown at re-offer level. a)
Priced today 32-35bp over Treasuries. b) Calleble & purtable on 27/6/02 at 99.50%. c) Calleble & purtable on 26/6/02 at per. c1) 91/% to 26/6/02, then 91/%. d) 3-min Libor fast, e) Conversion price: \$F-2701.99. FX: 1.432 \$F/\$. Calleble from Jul 00 at per. f) Calleble on 10/7/09 & every 5 yrs at per. if not called coupon is reset at 20.50%. Calleble from 23/7/07 at per. if not called coupon pays 3-min Libor +165op, h) besuers option after 2 yrs to convert into FRN peying 6-min Libor +25bp. i) Over interpolated yield. i) lessuers option to convert on coupon dates into FRN peying 6-min Libor +15bp. k) 6-min Libor +27bp; max 91%. a) Short 1st coupon.

yield curve, taking advantage of lingering fears that BANK launched the largest vest proceeds from bonds the US Federal Reserve might tighten monetary pollcy at its next policy-making meeting in July.

deal of the day - \$500m of maturing in the next few 11/-year notes.

NATIONAL AUSTRALIA to investors seeking to reinweeks, without taking mar-Nomura, the lead man- ket risk in the event of a Fed ager, said the issue appealed rate increase.

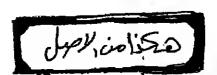
BENCHMARI	K GOV	ERNI	MENT B	SONDS				M BUNE	FUTURE	S OPTIO	VS (LIFT	E) DM2	50,0
	Coupon	Fled Date	Price	Day's	Yleki	Wook		Strike		_	ALLS -	0-0	=
4				change	_	#Q0	200	10050	0.65	0.90 0.90	Sep 1,12	1,12	
Australia Austria	6.750 5.750	11/08	98.7533 98.3400	+1.181	7.23 5.97	7,35 5.85	7.86 5.78	10100	0.29	0.64	0.85	0.91	
Belokm	6.250	03/07	102,7500	+0.020	5.87	5.91	5.89	10180	0.13	0.43	0.62	0.73	-
Canada *	7.250	08/07	106.4600	-0.340	6.38	6.51	6.58		otal, Culty 1				-
Denriurk	8.000	03/06	111,4000	+0,040	8.28	6.30	6.46						-, -
France BTAN	4,750	08/02	100,2457	+0.084	4.69	4.73	4.70	Italy					
CAT	5.500	04/07	98,3700	+0.110	5.72	5.77	5,69		· · ·				
Germany Bund	6,000	07/07	101,5000	-0.140	5.80	5.81	5.78		ONAL ITA				7 -
Ireland	8.000	06/06	108,5200		6.72	6.69	6.73	WITH	T Ura 20	U71 10002	01 100	7	_
itely No. 445	6.750	02/07	97_9300	+0.630	7.05†	7.08	7.A3		Opera	Sett pri	ce Cha	nga I	Hel
Jepen No 145 No 182	5.500 3.000	03/02	117.2223 104.1408	+0.611	1.81	1.82	1.58	500	130,12	130.80	+0.	92 13	0.5
Netherlands	5.750	02/07	100,6000	-0.160	2.40 · 5.66	5.71	2.30 · 5.66	Dec	103.85	104.00	+0.	77 10	3.8
Portugal	8.500	02/06	119.8600	+0.030	8.43	6.45	6.70	MI TOUT IN	GOVT. BO	NO STEE		0000	<b>200 (I</b>
Spain	7.350	09/07	105.8300	+0.370	8.51	6.58	6.81		T WOTE DO			-	(-
Sweden	8,000	08/07	107,5918	+0.224	6.93	6.97	7.20	Strike	*****		ALLS -		
UK Gitts	7.000	06/02	99-30	+1/32	7.01	2,99	7.10	Price		Sep		Dec	
	7.250	12/07	101-00	+1/32	7.11	7.13	7.37	8000			2	4.00	
	9.000	10/08	114-00	+2/32	7.17	7.20	7.46	8050			2	3.50	
JS Tressury *	2,625	05/07	100-18	-6/32	6.55	2,62	6.70	8100			2	9.00	
Col Court Court	6.625	02/27	97-13	-7/32	6.83	88.8	6.93	Est vol to	real, Carles B	290 Puts 31	27. Pre-	down day	s of
CU (French Govt)	7.000		106.7300	+0.370	5.99	8.04	6.03						
London closing, "New Y Gross (Including with Prices: US, UK in 32nds	holding tex	of 125 p	er cent paye	ble by non	waldens.		Randerd,	Spain M NOTE	ONAL SPA	JESH BO	NO FUT	URES (	MET
Mean ord out at death	, curing a re			50000		10 a F00	a water		Open	Sett prk			ligh
					•			Jan	115.95	116.18		_	8.3
								Sep	115.13	115.46			5.5
US INTERES	T RAT	E\$						UK	110.13	110000	+••	- '	
atest.			Treasury 1	Balles and B	and Yiel	ds		# NOTIC	HAL UK	GILT FUT	URES (	STEP S	30,
Name and	Que	mougt		- Two	year		- 6.15 - 6.30		· Open	Sett pric	e Cha	ige l	lo:
Prime rate		., Aliepen e Alinom ee		4.99 Five	H YOU'		- 6.30	-hin	113-29	114-00	+0-	11	40
Feet funds	512 Skx	PORT		5.40 10-3	THE		6.43 6.55	Sep.	113-14	113-19	+0-		3-2
ed,funds at intervention		year		5.72 30-			6.82		GELT FUT				
								Strike			ULS -		
								Price	Jul	Aug	Sep	Dec	
								113	0-59	1-28	1-50	2-18	
								114	0-26	0-58	1-17	1-52	ò
		NB -						115	0-09	0-33	0.54	1-26	1
BOND FUTUI	NES A	WD O	*HOW	5				Est vol. to	cal, Calls 26	70 Puts 157			
France													
E NOTIONAL FREN	ICH FONT	en.	DES MANTE	2 EG-800 4	~~			Ecu					
	Sett price								OND FUT	THEFS AL		111000	~
Open				Low			es int.						

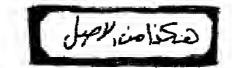
	Open	Sett price	Change	High	Low	. Est, vol.	Open Int
Jun	129.68	129.62	+0.14	129.96	129.54	164,009	90,181
Sep	128.04	127.96	+0.12	128.26		77.218	126,948
Dec	97.10	96.98	+0.06	97,10	97.10	77	575
E LONG	TERM FRI	ENCH BON	D OPTIO	NS (MAT	TF)		
Strike		CALL	_s		-	PUTS	
Price	Jun	Ju	S	ep .	Jun	Jul	Sep
126	1.92		2	.37	0.09	0.35	0.65
127	1,08	1.44	1	.66	0.24	0.61	0.85
128	0.43			.08	0.50	0.89	1.24
129	0.11			.64	1.27	1.57	1.79
130	0.02			.33	-	-	
Est. vol. total	Cults 4,910	Puts 18,144	. Previous d	day's open	iru, Calls 12	1,250 Puls 16	0,785.

Section   Prior Version   Pr			neki			_ 52 w			-1	ield			_ 57 x	×.			Yield			. 62 <del>- 104</del>
as Carl Price 1899; \$44 1000.5	Side	ist.	Red	Price £	+&-	H	Low	Notes	lat	Pled	Prize S	+ 97'-			- Ignites		(2) P	ics E +		
16 Super 1988.	unity" (Lives up to Phys )											+4								
16 Super 1988.	NEE CAN THE TREET, THE TANK											+3		1085	45-pc 9841	-	282	114	1	143 11
16 Super 1988.												74		921	212DC 399	211		1817	+4 1	
**************************************												+4	1226		21 <sub>2</sub> 00: 101				- L 1	17H 17
## 18   18   18   18   18   18   18   18					_	105,5					120(2	+#	1213	1173	2120C '03(78.8)		180		- 4	MA 17
## 18   18   18   18   18   18   18   18	1435 1990pp											+6	129)(				3.50	1178	-L 2	202 11
## 18   18   18   18   18   18   18   18										7.12		+44		102		3.21			-1 1	
28 Fig Risk 1999; 100 100 100 100 100 100 100 100 100 10												+39		11311					J. 1	
## 19   19   19   19   19   19   19   19	# 100 pp 4000 pp										105/15	+4	10377	9512	250c 71 77.50				A. 10	
11.55					>					7.15	10923	+4	10774	183						
## 1009-1889   9.07   9.09   1009-1899   9.07   9.09   1009-1899   9.09									7.75	7.22	10314	+4	104.3							
## 60 1998 ## 6.10						1105	1064	Trees 113-nc 2003-7	9.72	7.15	1206	-1								
## 104pc 1999			8.94	9811	+4	9914	9843	Trees 61-205 2007 ±±											+3 1	
827 7.57 1035 + 1045 104 1045 1045 1045 1045 1045 1045				1072		11848	1082	Treas 71-nc 200744							Alare 2000				+4 12	
# Spc 2000;	# 51 <sub>20</sub> c. 2000	8.21	7.01	10353	44		1084	Tomas 130-ac 2004-8				77.								
11.18   7.09   11.16   7.09	v 9oc 200011:	8 40	9 00					Tribes Gray 2009 44				- 77			Prospective real veries	retion (	-	contacts	-	-
100 2000																				
100 2000	as 13pc 2000											. 3			1079 EN (2) 376. 63 F	ore i	CENTER 1	Discould be		
100 2000		11.18	7.08	1164	+4	120[]	1166	Trees 8pc 3009	7.51	718	10813	+4	1074	974	1079 EN (2) 376. 63 F	ore i	CENTER 1	Discould be		
18 10c 2007   2.76 7.07 1091   -1 1123 893    1092    1093   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094   1101   1094	es 14pc 1996-1	11.18 13.15	7.06 6.78	1164 1061 <sub>2</sub>	+4	12017 1131	11843 108 <sup>1</sup> 2	Trens 80c 2009 Trens 81cpc 2010±‡	7.51 8.80	7 18 7.20	10813	-	963	97日	indexing Se 8 months ( reflect rebasing of RP	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted Chusted
11.13 8.8 10/9 + 4 10/9 10/9 10/9 10/9 10/9 10/9 10/9 10/9	es 14pc 1996-1 as 8pc 200011	11.18 13.15 7.77	7.06 6.78	1164 106 <sup>1</sup> 2 103	**	120[] 113]] 104]]	1184 108 <sup>1</sup> 2 102	Trens 80c 2009 Trens 81cpc 2010±‡	7.51 8.80	7 18 7.20	10813	444	963	97日	indexing Se 8 months ( reflect rebasing of RP	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted.
11.13 8.8 10/9 + 4 10/9 10/9 10/9 10/9 10/9 10/9 10/9 10/9	us 14pc 1995—1 as 8pc 200022 as Fitg Rate 2001	11.18 13.15 7.77	7.06 8.78 7.01	1164 1061 <sub>2</sub> 103 1003	**	120[2 113]- 104[3 100]-	11823 108 <sup>1</sup> 2 102 2034	Trens 80c 2009 Trens 81cpc 2010±‡	7.51 8.80	7 18 7.20	10813	수수수	963	97日	indexing Se 8 months ( reflect reliabling of RP factor 3.845, RPI for S	pures in prior to	issue) a D in Fo	income s no hitro	been e	d been
11.13 8.8 10/9 + 4 10/9 10/9 10/9 10/9 10/9 10/9 10/9 10/9	es 14):: 1996-1 se 8pc 2000‡‡ es Fitg Rate 2001 es 10pc 2001	11.18 13.15 7.77 8.14	7.06 8.76 7.01 7.07	1164 1061 <sub>2</sub> 103 1003 10044	**	120[2 113]-1 104[3 100]-1 112[3	11825 108 <sup>1</sup> 2 102 293, 9633	Trens 80c 2009 Trens 81cpc 2010±‡	7.51 8.80	7 18 7.20	10813	444	963	97日	indexing Se 8 months ( reflect reliabling of RP factor 3.845, RPI for S	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted Chusted
11.13 8.8 10/9 + 4 10/9 10/9 10/9 10/9 10/9 10/9 10/9 10/9	es 14pc 1996-1 se 8pc 200011 es Fing Rate 2001 es 10pc 2001 er 91gpc 2001	11.18 13.15 7.77 8.14 8.76	7.08 8.78 7.01  7.07 7.07	1164 106 <sup>1</sup> 2 103 100 <sup>1</sup> 3 109 <sup>1</sup> 3 109 <sup>1</sup> 3	**	120[2 113]- 104]- 100]- 112[3 109]-	118-3 108-2 102 102 102 107-3 107-3	Trens Spc 2009	7.51 8.80	7 18 7.20	10813	本本本	963	97日	indexing Se 8 months ( reflect reliabling of RP factor 3.845, RPI for S	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted Chusted
10pc 2002	w 94pc 2001 w 94pc 2001	11.18 13.15 7.77 8.14 8.76 8.90	7.08 8.78 7.01 7.07 7.07 7.07	1164 1062 103 1002 1004 1004 1004	**	120[2 113] 104] 104] 100, 112] 103, 110]	118-3 106-2 102 102 99-3, 9563 107-6 108-2	Trees Spc 2009 Trees SP-spc 2010 ## Conv Spc Ln 2011 ## Over Filteen Years	7.51 8.80 7.37	718 7.20 7.19	10833 0174 11583		167 <sup>3</sup> 4 963 <sub>8</sub> 1173 <sub>8</sub>	97E 80E 10SE	indexing Se 8 months ( reflect reliabling of RP factor 3.845, RPI for S	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted Chusted
Trace 7-lapt 20172-1594   7.29   7.21   104  1 + 105  105  95  95    105  95  95    105  95  95    105  95  95  95  95  95  95  95  95  95  9	es 14½: 1996-1 es 8pc 200011 es Fig Rate 2007 es 10pc 2001 w 94;pc 2001 w 94;pc 2001 es 7pc 2001 ##	11.18 13.15 7.77 8.14 8.76 8.90 7.00	7.06 8.78 7.01 7.07 7.07 7.07 7.07	1164 1062 103 1003 1004 1004 1004 1004 906	4   4   7244	120[2 113] 104] 100] 112[3 109] 110[3 101]	1163 1061 <sub>2</sub> 102 102 953 107 <sub>16</sub> 1061 <sub>2</sub> 973	Trees Bys 2009	7.51 8.80 7.37	718 7.20 7.19	10833 01% 11583		1074 963 1173 1173	979 829 1054	indexing Se 8 months ( reflect reliabling of RP factor 3.845, RPI for S	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted Chusted
Tears 80; 201842	88 14pc 1996-1 28 8pc 2000‡‡ 25 Fag Bate 2007 25 10pc 2001 25 10pc 2001 26 7pc 2001 27 7pc 2001 28 7pc 2001 29 7pc 2001 20 7pc 2001 20 7pc 2001 20 7pc 2001	11.18 13.15 7.77 8.14 8.76 8.90 7.51 11.13	7.06 8.78 7.01 7.07 7.07 7.07 7.04 6.63	1164 1064 103 1002 1004 1004 1004 1004 1004 1004 1004	4   7   74777	120[2 113]3 104]5 100]4 112[3 109]4 110[3 101]4 109]4	1182 1082 102 102 1072 1072 1073 1073	Tress Spc 2079 Tress Shape 207011	7.51 8.80 7.37 7.33 6.36	718 7.20 7.19 7.20 6.94	10845 0176 11585	**	1074 963 1173 1173	97日 82日 10日 10日 76日	indexing Se 8 months ( reflect reliabling of RP factor 3.845, RPI for S	pures in prior to	issue) a D in Fo	income s no hitro	been e	dusted Chusted
Trans 8-lage 2017##   7.22   7.20   118.2   +1   1176   1022	es 14p: 1996-1 se Spc 200011 ss Fig Sate 2007 ss 10pc 2007 sw 94spc 2007 se 7pc 2007 1 se 7pc 2007 1	11.18 13.15 7.77 8.14 8.76 8.90 7.51 11.13	7.06 8.78 7.01 7.07 7.07 7.07 7.04 6.63	1164 1064 103 1002 1004 1004 1004 1004 1004 1004 1004	4   7   74777	120[2 113]3 104]5 100]4 112[3 109]4 110[3 101]4 109]4	1162- 106-2 106-2 107-2 107-2 107-2 107-3 109-1	Treas Bags 2009 Treas Bags 201011 Cover Bigs In 2011 1#  Over Fitness Year's Treas Sags 201241 Treas Sags 201241 Treas Sags 201241	7.51 8.80 7.37 7.33 6.36 7.44	718 7.20 7.19 7.20 6.94 7.19	10845 01% 11585 11645 8642 10748	***	107 <sup>1</sup> 4 96 <sup>3</sup> 4 1173 <sup>2</sup> 118 87 <sup>1</sup> 3 108 <sup>3</sup> 4	1000	indexing for 8 months or reflect relaxing of RP factor 3.945, RPI for 8 158.3.	premi	issue) a lo in Fe ir 1995;	income s no hitro	been e	dusted Chusted
The Fillman Years  10 Fillman	18 140c 1998-1	11.18 13.15 7.77 8.14 8.76 8.90 7.51 11.13	7.06 8.78 7.01 7.07 7.07 7.07 7.04 6.63	1164 1064 103 1002 1004 1004 1004 1004 1004 1004 1004	4   7   74777	120[2 113]3 104]5 100]4 112[3 109]4 110[3 101]4 109]4	1162- 1061-2 102- 993- 9932- 1073- 973- 1091-2 1091-3 1091-3	Trees Sec. 2003 Tream Stupe. 201011.1. Cover Student Years Visus Sec. 201221. Tream Sec. 201221. Tream Sec. 201321. Tream Sec. 201321.	7.51 8.80 7.37 7.33 6.36 7.44 7.39	718 7.30 7.19 7.20 6.94 7.19 7.21	108/3 01% 11583 1164 864 107/4 104/4	****	1074 963 1173 118 8743 1084 - 108	10月	indexing for 8 months or reflect relaxing of RP factor 3.945, RPI for 8 158.3.	premi	issue) a lo in Fe ir 1995;	income s no hitro	been e	d been
92-pc 2002   8.84   7.10 109[27]   +1, 110[2] 110[2]	18 140c 1998-1	11.18 13.15 7.77 8.14 8.76 8.90 7.51 11.13	7.06 8.78 7.01 7.07 7.07 7.07 7.04 6.63	1164 1064 103 1002 1004 1004 1004 1004 1004 1004 1004	4   7   74777	120[2 113]3 104]5 100]4 112[3 109]4 110[3 101]4 109]4	1184 1081 1081 1081 1071 1071 1071 1081 1081	Times Ric. 2005 Times Ric. 2005 Times Ric. 2010 Times Ric. 2011 Times Ric. 2012	7.51 8.80 7.37 7.33 6.36 7.44 7.39 7.38	718 7.30 7.19 7.20 6.94 7.10 7.21 7.16	108/3 01% 115/3 116/ <sub>3</sub> 86/ <sub>2</sub> 107/3 104/3 108/3	****	1074 965 1177 118 574 1084 1084	10000000000000000000000000000000000000	indexing for 8 months or reflect relaxing of RP factor 3.945, RPI for 8 158.3.	premi	issue) a lo in Fe ir 1995;	income s no hitro	been e	d been
92-pc 2002   8.84   7.10 109[27]   +1, 110[2] 110[2]	18 140: 1986-1	11.18 13.15 7.77 8.14 8.76 8.90 7.51 11.13	7.06 8.78 7.01 7.07 7.07 7.07 7.04 6.63	1164 1064 103 1002 1004 1004 1004 1004 1004 1004 1004	4   7   74777	120[2 113]3 104]5 100]4 112[3 109]4 110[3 101]4 109]4	1182 1081 1081 1083 1073 1073 1073 1073 1093	Trees Ros 2025 Trees Ros 2025 Trees Ros 2011 Trees Ros In 2011 Trees Ros 2012 Trees Ros 2012 Trees Ros 2025 Trees Ros 2015	7.51 8.80 7.37 7.35 7.44 7.39 7.36 7.52	718 7.20 7.19 7.20 6.94 7.10 7.21 7.16 7.20	108/3 01% 11583 116% 86% 107/8 108/3 118/3	****	1074 965 1177 118 874 1094 1094 1176	10年	indexing for 8 months or reflect relaxing of RP factor 3.945, RPI for 8 158.3.	pure in the state of the state	parent issue) a 10 in Fe ir 1995:	income s no hitro	how RP been a 1987. ( nd for /	7 been Klusted Johnson April 196
8 <sup>1</sup> / <sub>2</sub> 02   8.64   7.10   108  508  1 + 1   108  108  108  108  108  108  108	18. 14(p. 1995-1	11.18 13.15 7.77 8.14 8.76 5.90 7.50 11.13 8.65	7.06 8.78 7.01 7.07 7.07 7.07 7.04 6.63	1164 1064 103 1002 1004 1004 1004 1004 1004 1004 1004	4   7   74777	120[2 113]3 104]5 100]4 112[3 109]4 110[3 101]4 109]4	1182 1081 1081 1083 1073 1073 1073 1073 1093	Treas Spc 2005 Treas Page 201011 Cover Spc Ln 2011 11 Cover Spc Ln 2011 11 Treas Spc 201211 Treas Spc 201311 Treas Spc 201311 Treas Spc 201311	7.51 8.80 7.77 6.36 7.44 7.39 7.38 7.52 8.23	718 7.20 7.19 7.20 7.21 7.16 7.21 7.20 7.21	108/3 017 11983 11983 108/3 108/3 118/3 49/30	****	1074 963 1173 118 874 1084 1084 1176 1485	10年	Other Fixed L	pure to the to t	parent essue) a 10 in Fe er 1990:	Pecell 9 nd hive brusy 153,8 a	how RP been a 1987. ( nd for /	7 been Klusted Johnson April 19
## ## ## ## ## ## ## ## ## ## ## ## ##	18 14(p. 1986-1	11.18 13.15 7.77 8.14 8.76 8.90 7.50 11.13 8.65	7.06 8.76 7.01 7.07 7.07 7.07 7.09	1164 1062 103 1003 1004 1004 1004 1004 1004 1004	4 4 44444	129[2 113]-1 104]-1 104]-1 100]-1 112[3 109]-1 109]-1 109]-1 1125]	1182 1081 <sub>2</sub> 102 983 <sub>4</sub> 9833 1071 <sub>2</sub> 1071 <sub>3</sub> 1073 1073 1073	Treas Spc 2005 Treas Page 201011 Cover Spc Ln 2011 11 Cover Spc Ln 2011 11 Treas Spc 201211 Treas Spc 201311 Treas Spc 201311 Treas Spc 201311	7.51 8.80 7.77 6.36 7.44 7.39 7.38 7.52 8.23	718 7.20 7.19 7.20 7.21 7.16 7.21 7.20 7.21	108/3 017 11983 11983 108/3 108/3 118/3 49/30	****	1074 963 1173 118 874 1084 1084 1176 1485	10年	Other Fixed L	pure to the to t	parent essue) a 10 in Fe er 1990:	Pecell 9 nd hive brusy 153,8 a	how RP been a 1987. ( nd for /	7 been Klusted Johnson April 19
19pc 2002	18 14(p. 1986-1	11.18 13.15 7.77 8.14 8.76 8.90 7.50 11.13 8.65	7.06 8.76 7.01 7.07 7.07 7.07 7.09 7.09	1164 1062 103 1002 1003 1003 1003 1003 1003 1003	4 4 44444 4	129[2 113]-1 104]-1 104]-1 100]-1 112[3 109]-1 109]-1 109]-1 1125]-1	1182- 1081-2 102- 983-4 983-1 1071-2 1071-2 1071-3 1071-3 1071-3 1071-3	Treas Spc 2005 Treas Page 201011 Cover Spc Ln 2011 11 Cover Spc Ln 2011 11 Treas Spc 201211 Treas Spc 201311 Treas Spc 201311 Treas Spc 201311	7.51 8.80 7.77 6.36 7.44 7.39 7.38 7.52 8.23	718 7.20 7.19 7.20 7.21 7.16 7.21 7.20 7.21	108/3 017 11983 11983 108/3 108/3 118/3 49/30	****	1074 963 1173 118 874 1084 1084 1176 1485	10年	Other Fixed L	pterib	parent lessue) 4 0 in Fe r 1995:	Price £ +	how RP been a 1987. ( no for )	T been Klusted Conversi April 191 52 week
\$\frac{9\text{log} 2003	18 14pc 1986-1	11.18 13.15 7.77 8.14 8.78 8.90 7.90 11.13 8.65	7.08 8.78 7.01 7.07 7.07 7.07 7.09 7.09 7.30 7.101	1164; 1061; 1003; 1004; 1004; 1009; 1009; 1009; 1009; 1009; 1111; 1009; 1111; 1009; 1111; 1009; 1111; 1009;	4 4 44444 44	120[2 113]-1 104[3 100]-1 112[3 100]-1 110[4 100]-1 112[6 112[6 110]-1 112[6]	1182 1081 102 993, 903 1073 1081 1091 1091 1091	Treas Spc 2005 Treas Page 201011 Cover Spc Ln 2011 11 Cover Spc Ln 2011 11 Treas Spc 201211 Treas Spc 201311 Treas Spc 201311 Treas Spc 201311	7.51 8.80 7.77 6.36 7.44 7.39 7.38 7.52 8.23	718 7.20 7.19 7.20 7.21 7.16 7.21 7.20 7.21	108/3 017 11983 11983 108/3 108/3 118/3 49/30	****	1074 963 1173 118 874 1084 1084 1176 1485	10年	other Fixed I	ptor to to to ptemb	parent lessue) 4 10 in Fe r 1996:	Price £ +1	tow RF bears a 1987. Condition in	Si week
a Spir 200311 7.66 7.07 104,5 +1 1053 1003 War Lean Rupert 7.21 +051 +1 405 111 LCC 20x 20x 20x 7.65 7.27 104,5 +1 1053 1005 War Lean Rupert 7.21 +051 +1 405 1051 LCC 20x 20x 7.65 7.27 2 100 100 100 100 100 100 100 100 100 1	18. 14(p. 1986-1 mi fipe 200011 mi fipe 200011 mi fipe 20001 mi fipe 2001 mi fipe 2002 mi fipe 2	11.18 13.15 7.77 8.14 8.76 8.90 7.90 11.13 8.95	7.06 8.78 7.01 7.07 7.07 7.07 7.07 7.09 7.09	1164 1062 103 1002 1001 1001 1001 1001 1001 1001	*   *   **   **   *   *   *	129[2 113]-1 104[3 109]-1 112[3 109]-1 109]-1 109]-1 112[4 110]-1 110]-1 110]-1 122[4	1182 1081 102 993, 903 1073 1081 1091 1091 1091	Tream Ris 2025 Tream Rispe 2070‡‡ Cover Pipe In 2011 ‡‡  Over Pipe In 2011 ‡‡  Tream Rispe 2012‡‡ Tream Rispe 2008-12‡‡ Tream Rispe 2013‡‡ Tream Rispe 2013‡† Tream Rispe 2013‡† Tream Rispe 2013‡†	7.51 8.80 7.77 6.36 7.44 7.39 7.38 7.52 8.23	718 7.20 7.19 7.20 7.21 7.16 7.21 7.20 7.21	108/3 017 11983 11983 108/3 108/3 118/3 49/30	****	1074 963 1173 118 874 1084 1084 1176 1485	1054 1054 1054 1054 954 954 1053 1055 1055	Other Fixed I	ptor to 10 ptembr	perentissue) a lo in Fe r 1995; Red   7.41 8.00	Price £ +1	tor H	52 week by 19
3 154 2007 3 1150 7.0 1162 3 4 1163 1164 2007 255 11 A1	18 14(p. 1998-1 me fep: 700011 me fep: 700011 me fep: 70001 me fep: 7000	11.18 13.15 7.77 8.14 8.76 8.90 7.00 8.64 8.76 8.31	7.06 8.78 7.01 7.07 7.07 7.07 7.07 7.09 7.10 7.10 7.10 7.11 7.12	1164; 1063; 1003; 1003; 1009; 1009; 1009; 1079; 1111; 908; 1111; 908; 1111; 1009; 1111; 1009;	*   *   P***** ****	120[2 113]-1 104]-2 100]-1 112]-3 101]-3 101]-3 102]-3 112]-3 101]-3 112]-3 112]-4 109]-3 112]-4 109]-3 112]-4 109]-3	1182- 1081-	Times Ric. 2005 Times Ric. 2005 Times Ric. 2011 Times Ric. 2011 Times Ric. 2012 Times Ric. 2012 Times Ric. 2015 Times Ric. 2015 Times Ric. 2015 Times Ric. 2017	7.73 6.86 7.77 6.36 7.49 7.39 7.39 7.39 7.39 7.39	7:18 7:20 7:19 7:19 7:21 7:21 7:21 7:21 7:21 7:21 7:21	108/3 01% 11983 11983 11983 11983 11983 11984 11984	かかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかか	1074 965 1177 1177 1188 5713 1084 1084 1177 1483 1113	17日 18日 18日 18日 18日 18日 18日 18日 18日 18日 18	other Fixed I  Adm De 10 ac 2009  Flags 11 ac 2009  Rates 2009  Rates 2009  Rates 2009	to t	parent   issue) a   0 in Fe   r 1990:   r 1990:   Red     7.41   8.50	Price £ +1 172 1311/2 1391/2	or- H  12  13  13  13  13	SQ week kept 19 32-11 32-11 32-11 32-11 32-11 32-11 32-11
10pc 2003 8.76 7.13 1142 +2 1164 1116 11164 11165 2007 918 705 1774 1275 1774 1175 1775 1176 1176 1176 1176 1176 1176	18 14(p. 1995-1 m fpc 2001) 18 16(p. 2001) 18 16(p. 2001) 19 19 2001 19 19 2001 19 19 2001 11 12 19 19 19 19 19 19 19 19 19 19 19 19 19	11.18 13.15 7.77 8.14 8.76 8.90 7.91 11.13 8.85 7.00 8.84 8.75 8.31 6.65	7.06 8.76 7.01 7.07 7.07 7.07 7.09 7.09 7.101 7.11 7.12 7.11	1164 1062 103 1003 1003 1003 1003 1003 1003 1003	4   4   777777	120[2 113]-1 104]-1 100]-1 109]-1 110]-1 109]-1 110]-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1184 1081 <sub>2</sub> 102 993 <sub>4</sub> 9931 1071 <sub>2</sub> 1081 <sub>2</sub> 1081 <sub>3</sub> 1091 <sub>3</sub> 1091 <sub>4</sub> 1091 <sub>2</sub> 1061 <sub>4</sub> 1091 <sub>2</sub>	Trees Ric 2003 Trees Ric 2003 Trees Ric 2011 Trees Ric 2011 Trees Ric 2012 Trees Ric 2012 Trees Ric 2008 T22 Trees Ric 2008 T22 Trees Ric 2012 Trees Ric 2012 Trees Ric 2017 Trees Ric 2013 Trees Ric 2017 Trees Ric 201	7.51 8.80 7.77 7.73 6.36 7.44 7.39 7.39 7.39 7.39 7.39	7:18 7:20 7:19 7:19 7:19 7:16 7:16 7:21 7:15	108/3 01% 11983 11983 11983 11983 11983 11984 11984	かかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかか	1074 963 1173 1173 118 5743 1054 1054 1177 1465 1113	17日 18日 18日 18日 18日 18日 18日 18日 18日 18日 18	Other Fixed I  Main De 19-px 2009  Fixed 19-px 2009  Fixed 19-px 2009  Fixed 19-px 2009	tendent in	parent   issue) a   0 in Fe   r 1990:   r 1990:   Red     7.41   8.50	Price £ +1 122 1311-2 4221	or- H  12  13  13  13  13	1 been clusted for the converse April 19 12 12 12 12 13 44 3 44 3
113-gc 2001-4 10,07 7.10 1144 +3 1215 1135 Count 21-07 7.23 344 146 177 36-17 36-6 8.55 82 87 7.23 344 146 177 36-17 36-6 8.55 82 87 7.23 134 36 178 36 18 36 18 37 18 3	IS 14(p. 1986-1 IIII	11.18 13.15 7.77 8.14 8.76 8.90 7.90 11.13 8.95 7.00 8.54 8.76 8.31 6.66 7.66	7.06 8.78 7.01 7.07 7.07 7.07 7.09 7.101 7.101 7.11 7.12 7.11	1164 1062 103 1094 1095 1095 1095 1095 1095 1114 995 1114 1114 1124 1124 1044	4   4   444444	120[2 113]3 104]3 104]3 109]4 110]3 109]4 109]4 110]4 110]4 110]4 113]4 113]4 1105]3	1182 1082 1082 1083 1073 1084 1084 1084 1084 1084 1084 1084 1184 11	Tream Size 2005 Tream Size 201011 Cover Size In 2011 11  Over Filteren Years Veras Size 201221 Tream Size 2006-1211 Tream Size 2012-1511 Tream Size 2017-151 Tream Size 2017-151 Each 12pc 2013-17 Tream Size 2017-151  Bridshad Carmoid Apc	7.51 8.80 7.37 7.39 7.39 7.39 7.39 7.39 7.30 7.30 7.30 7.30 7.30	7:18 7:20 7:19 7:19 7:19 7:10 7:21 7:16 7:21 7:15	116% 115% 115% 115% 115% 115% 115% 115%	かかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかか	1074 965 11774 1186 1094 1094 1176 1485 1115 495	17日 125日 125日 125日 125日 125日 125日 125日 125	Other Fixed I	to t	perent issue) a U in Fe er 1995: Red   7.41 8.50	Price £ +1 172 131 1/2 139 1/2 139 1/2 139 1/2 139 1/2 139 1/2 139 1/2 139 1/2 139 1/2	or- H	1 been clusted for the converse for 19 19 19 19 19 19 19 19 19 19 19 19 19
120 120 120 120 120 120 120 120 120 120	18 140c 1988-1	11.18 13.15 7.77 8.14 8.76 8.90 7.91 11.13 8.85 7.00 8.54 8.76 8.31 6.65 7.56 11.60	7.06 8.76 7.01 7.07 7.07 7.07 7.09 7.09 7.10 7.11 7.12 7.11 7.12 7.04	11:54 106 <sup>1</sup> / <sub>2</sub> 103 109 <sup>1</sup> / <sub>3</sub> 109 <sup>1</sup> / <sub>3</sub> 109 <sup>1</sup> / <sub>3</sub> 107 <sup>1</sup> / <sub>3</sub> 1111 <sup>1</sup> / <sub>4</sub> 108 <sup>1</sup> / <sub>3</sub> 112 <sup>1</sup> / <sub>3</sub> 112 <sup>1</sup> / <sub>3</sub> 112 <sup>1</sup> / <sub>3</sub>	本   本   中ですですす キャマネイをな	129[2 113]3 113]3 109]4 112[3 109]4 109]4 112[4 109]4 112[4 109]4 113[4 105]3 110[3]	1182 1061 <sub>2</sub> 102 993 1072 1072 973 1081 <sub>4</sub> 1081 <sub>4</sub> 1081 <sub>4</sub> 1181 <sub>4</sub> 1181 <sub>4</sub> 1181 <sub>4</sub> 1181 <sub>4</sub> 1181 <sub>4</sub>	Trees Ric 2003 Trees Ric 2003 Trees Ric 2010 Trees Ric 2011 Trees Ric 2011 Trees Ric 2012 Trees Ric 2012 Trees Ric 2013 Trees	7.51 8.80 7.37 7.39 7.39 7.39 7.39 7.30 7.47 7.21 5.36	7:18 7:20 7:19 7:20 7:21 7:21 7:21 7:21 7:21 7:21 7:21	118% 01% 119% 119% 10% 10% 10% 10% 10% 40% 60% 60%	かかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかか	1074 9654 11774 1188 10944 11776 1465 1115 4954 655	100年 100年 100年 100年 100年 100年 100年 100年	other Fixed I  Was 2005  When Der 10 au 2005  Was 2005	Mercento Mer	Parami   Insural   Au   Insural   Au   Insural   Insural   Insural     Insural   Ins	Price £ +1 172 1315 13815 423 1275	or- H	52 week April 19 52 week April 19 52 11 52 13 54 3 57 2 13
162 13 164 11 1164 +4 1164 11 1mm 2/20 - 7.27 - 301 +4 2/2 2/2 4/45 1/20 - 4/7 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20	18 14(p. 1986-1	11.18 13.15 7.77 8.14 8.76 8.95 11.13 8.95 7.00 8.84 8.76 8.31 6.65 7.66 11.60 8.76	7.06 8.76 7.07 7.07 7.07 7.07 7.09 7.10 7.11 7.12 7.11 7.04 7.13	1154 1062 103 1004 1004 1004 1004 1004 1004 1004	4   4   7777777	129[2 113]3 113]3 109]4 112[3 109]4 110]5 110]5 110]4 112[4 109]4 113[4] 110]5 110 110 110 110 110 110 110 110 110 11	11832 1081 <sub>2</sub> 1081 <sub>2</sub> 1081 <sub>2</sub> 1081 <sub>2</sub> 1081 <sub>2</sub> 1081 <sub>3</sub> 11081 <sub>3</sub> 11081 <sub>3</sub> 11181 <sub>3</sub> 11181 <sub>3</sub> 11181 <sub>3</sub>	Trees file: 2025 Trees File: 2025 Trees File: 2011 Trees File: 2012 Trees File: 2017 Trees	7.51 8.80 7.77 7.73 7.36 7.44 7.39 7.36 7.47 7.21 7.21 7.21 7.21 7.21 7.21 7.21	7:18 7:20 7:19 7:20 7:19 7:21 7:16 7:21 7:15	11835 0174 11835 11835 11835 11835 11835 11835 48334 4834 4834 483	かかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかかか	1074 9654 11774 118 5713 1094 1094 1095 11774 11774 11774 11774 11774 11774 11774 11774 11774 11774 11774	<b>西班牙 经产品的股份</b>	Other Fixed I  Main 19-19-2012  Adam 19-19-2012  Leefs 19-2012  Look 19-2012	Mercento Mer	1 perent 1 pere	Price £ +1 172 1315 13815 423 1275	or- H 12 12	52 week 19 19 19 19 19 19 19 19 19 19 19 19 19

100%	FTSE Acts	arie	s G	ovt. S	ecu	ıriti	<b>es</b>										U	K Inc	lice
g Sep Dec	Price Indices UK Giles		Wed un 11	Day's change ?		tue 1 10	Accrued Internet							Medican Jun 11					
4 0.86 1.79 8 1.09 2.08 7 1.38 2.40 Na 171960 Puns 191142	1 Up to 5 years (20) 2 5-15 years (20) 3 Over 15 years ( 4 tracternaties ( 5 All stocks (51)	6) 1: 6) 2:	19.71 51.75 78.98 06.82 46.33	0.05 0.08 0.09 0.00	119 151 178 206 146	1.82	1.89 1.87 5.20 1.54 2.50	5.1 5.1 7.1	38 5 yr 93 15 y 10 2 20 y 10 kmed	136 178-	7.03 .7.14 7.17 7.27	7.05 7.14 7.16 7.27	7.46 6.25 8.34 8.42	7.09 .7.18 7.18	7.11 7.16 7.19	7.49 6.26 8.34	7.14 7.17 7.17	7.18 7.16 7.18	7,59 8,34 8,41
	Excluse-limited			-				. :		· · · .		idation 1 Jun 1	5% 0 Yr. ag	ю			0% 0 Yr. ag		٠
Est. vol Open int. 78302 82186	6 Up to 5 years (17) 7 Over 5 years (17) 6 All stocks (12)	F 19	4.56 6.51 6.30	0.03 0.10 0.09	204. 196. 196.	32	1.18 1.53 1.49	3.0 2.8 2.8	5 Over	5 yrs					2.94 3.47				
350 300 m 100ths of 100%	Average gross redem	don yink	# MAD NO.	own above	Coupe	n Burdi	c Low; O	%-7%%;	Mackey: (	36-10%	W; High:	11% and	OVW. † FI	me yield, y	d Year to	date.			
PUTS -	FT Fixed Inte	rest l	ndice	S						Gilt	Edge	d Act	ivity In	dices					
Dec		Jun 11	Jun 10	Jun 9 .	Jun 6	Jun 5	Yr ago	High*	LOW				Jun	10	Jun 8	Jun 8	Ju	1 5	Jun 4
0 0 0 · 387722 Puts 45011 .	Govt. Secs. (UK) Fixed interest  © FISE interestorial	95.53 120.62 ad 1987.	96.52 120.63 All right	120.70 1	" for 16	95.35 120.64 97, Go	92.27 111.58	97.51 121.58 Securities	93.31 115.32 Mgn einc	5-de	Edged by average	7.40 (09/0	11/36), kow	NA NA 49L18 (D3	NA NA 01/75), F	AN AN		VA VA	NA NA
38/22 (408 4001)	high since complication Git Edged volume d	133JIT Ç	CI/DI/SA	), low 50.51 Mable cost	Rather	75). Besi notice.	s 100: Go	PROFESSION S	Becurities	15/10/2	85 and Pho	d Interes	192A. SE	activity in	Sces rebe	and 1974			

13							Any Ended Antibit dem yes to	William.		CETTAGE !	nouce.					
KONAL SP	LHISH BON	D FUTUR	ES (MEFF)													
Open 115.95	Sett price	+0.40	High 115.32	Low 115,80	Est. vol. 74,017	Open int. 74,017	FT/ISMA INTERN	ATION	AL B	OND	SER	VICE				
115.13	115.40	+0.44	115.50	115.01	48,427	38,962		_		_	_		at 7	·~		
ONAL UK	COLT FUTU	MES OFF	Er 250.00	G 32mda e	£ 100%		Listed are the latest international team		Office (				Bid			
· Open	_	Change	High	Low		Open int.	U.S. DOLLAR STRAIGHTS						1104	110%	<del></del> -	08 Abbey Nell Treasury 800 £ 1000 102 1 102 4 12 753
113-29		+0-04	_	113-25	2703	4448	Abbey Nat Treesury 612 05 16			- 64	81 Volle	wagen inti Fin 7 (3) 1000	108	1084	- 5.	39 British Land 87, 23 £ 160 1045 1047 41 8.61
113-14		+0-03	113-25	113-11	63053	180794	ABN Artro Bank 7 to 05 11 Affician Dev Bix 7 to 23 1			4 7		1 Bank 57; 03 3000 1 Bank 6 <sup>1</sup> ; 02 3000		104 % 105 %		06 Denmark 6% 98 £ 800 99 2 99 7.16 88 Depta France 7 2 05 £ 500 97 8 97 4 1 7.57
a GALI PO	TURES OF	11.8	+2 tau.u.	AU DEFUNE C			Albertz Province 7 98 16	101				Bank 74 05 3000		100%	-l <sub>2</sub> 5.	53 EB 8 G3 2 1000 103 <sup>1</sup> 4 103 <sup>1</sup> 2 + <sup>1</sup> 4 7.31
Jul			ec Ju	d Aug	PUTS -	Dec		000 750 97	974	Je 85	84 SME	S FRANC STRAIGHTS				Finland 7 00 £ 500 995 997 7.11 Gleso Welcome 85, 05 £ 500 1067 1068 7.57
0-59			18 0-2				Austria 6-2 00	100 104%	1043	8.5	50 Adian	Dev Black 0 76 500			4 4	50 HSBC Holdings 11.59 02 £ 158 116 1 116 1 116 1 7.70
0-25 0-09			52 0-5 26 1-3			2-36 3-10	Backen-World L-Fin 8 to 00 16 Barnourised 7 to 04	000 103%	1034	. 9.0		is 4½ 00 1000 rest 4½ 89 1000		1064 105 <sup>1</sup> a		02 Baby 10 <sup>1</sup> 2 14 Σ 400 1257 <sub>6</sub> 1261 <sub>6</sub> +1 <sub>6</sub> 7.70- 00 Japan Dev Bk 7 00 Σ 200 991 <sub>6</sub> 995 <sub>6</sub> 7.20
otal, Calls 2	05 Puts 157.	Previous de	y's open in	L CHA 42	425 Puts 23		Bank Ned Gemeenten 7 99 18		101 4	-1 6/		\$ 99 1000		10312	1.	53 Land Secs 912 07 £ 200 11113 11138 7.84
							Bayer Vereinstik B <sup>2</sup> s 00	XXX 94	541g	-Je 6.6			1164	1154	4 4	13 Ontario 11 <sup>1</sup> g 01 £ 100 111 111 <sup>1</sup> g 7.55 17 Powerpm 6 <sup>5</sup> g 03 £ 250 104 <sup>7</sup> g 105 <sup>1</sup> g 7.79
BOND FU	TURES (MA	THP ECU16	00.000				British Columbia 71, 02 8	00 104 00 15%	1044	1 N		## Finance 3 <sup>2</sup> ; 00 1000 ## 7 <sup>2</sup> ; 00 100		1054	4 2	23 Severn Trent 111/2 99 £ 150 1071/2 1075/2 7.47
Open	Sett price	Change	High	Low	Est vol	Open Int.	Canada 61 051	98 00	887	1 62	of the	Arner Dev 43, 05 800		10032	4 2	130
95.26	95.44	+0.44	95.58	95.28	1,728	4,451	Chang Kong Fin 5 <sup>2</sup> 2 98 10 China 5 <sup>3</sup> 2 04 10	00 98 <sup>1</sup> 4	98 <sup>3</sup> s	7.2			1164	115%	+ 3	06 World Bank 9 99 NZ\$ 250 108 2 103 2 +3 7,31
94,84	95.04	+0.44	95.18	94.84	767	2,347	Credit Fonciar 812 99	104%	1051	6.3	36 SNC	7 04 450		105 <sup>1</sup> 2 123 <sup>3</sup> 1	+4 3	46 Credit Local 8 01 FFr 9000 1044 106 47g 478 59 Denmerk 512 99 FFr 7000 1033 10312 474 3.97
								00 97% 00 96%	981 <sub>8</sub>	· 1.00 · 1.00 · 1.00		len 44; 03 500		10012	a	12 Bec de France 84, 22 FFr 3000 125 1254 +4 6.57
REASURY	BOND FUT	URES (CR	m \$100.00	10 32nds d	of 100%		Ex-im Bank Japan 8 02 5	1054	105	67		Bank 0 21 700   Bank 7 01 500		3212 1163	41	
. Open	Latest	Change	High	Low		Open int.	Export Dev Corp 9 <sup>1</sup> 2 98 1 Export Capital 0.04 18	50 1054 00 524	1031 <sub>2</sub>	→ 6.3 6.6		STRAIGHTS			•	leand Bid Offer Copn
110-27	111-00	+0-03	111-03	110-27	15,474	119,193	Fed Home Loan 74 99 15		1014	6.0		m 5 98 75000	100%	10912	+le 23	Abbay Net Treasury - 1000 99.93 99.99 5.7500
110-16 110-08		+0-04 +0-05	110-23	110-13	334,880		Federal Netl Mort 7,40 04 15 Firtend 7% 04 15		1064	4 88		Forcier 44, 02 75000			4 2	
110-06		+0-63	110-08	110-04	299	24,794	Ford Motor Crede 572 02 19	50 08-	984	- BB		5g 00 100000 1 Bank Japan 4 <sup>5</sup> g 00 105000			+4 13 +2 2	7 Canada 4 99 2000 99.79 99.93 5.5625
							General Miles 0 13 10 94 Printria 5% 98 6		27 95%	44 85 83		let Mort 2 99 100000 Amer Dev 74, 00 30000	1021g	1024	4lg 1.	
ONAL LON	IQ TERM J	APANESE	GOVT. B	OND FU	<b>TUPES</b>		Inter-Amer Dev 51g 06 10	00 06 <sup>1</sup> 8	964	5.8	35 haly 3	2 01 300000			4	Credit Lyonnais 7, 00 500 98.28 98.78 5.7500
9 Y100m 1	OOths of 10	30%					hter-Amer Day 7/2 05	00 103% 00 98%	104	- B.B			1167		5 2	
Open	Close	Change	High	Low		Open Int.		00 974	274	-1 <sub>2</sub> 6.6		Dev Bk 912 01 120000			+4 1.1 +2 1.6	Finland -1 99 1500 98.96 100.03 5.6675
123.74			123.91	123.70	2826	(1) (1)	haly 5% 23 35 Japan Day 5k 5% 07 5	00 934; 00 1054	1055	-1 <sub>2</sub> 7.5		64 00 30000 54 02 125000		1144	44 13	Hellier 88 0 99 500 100.04 100.10 5.8125
tures also tr	aded on APT	. All Open &	sterest ligs.	are for pre	_		Kores Bec Power 67 03 13	50 964	255	- 7A		Bank 54 02 200000			+12 1J +12 1J	
							Matsushiba Elec 74, 02 10 Master 97, 07 10		1054	الم و <u>ده</u> الم وع						1500 100.17 100.25 4.3125
								00 1004		그 93 그 84		R STRAIGHTS 14% 98 R 250	90%	100	15.1	LKB Bedon-Muert Fin 1 <sub>8</sub> 98 , 1000 98.94 98.99 5.6750 B Lloyde Benk Parp S 0.10
								00 1027	103	- 44	85 World	Bank 15 99 R 500	100%	1013g	4 14	650 99.80 89.96 6.0825
+9'- Hg	Week		tales (	7146		Hat Low	Ordanto 7% 02 20 Oster Konstruitourik 6½ 01 2		106 <sup>3</sup> 2	7 66		662 96 R 1000 individual 662 06 R 1500		105	33	
		x-Linked		11 (2) Fil	45 +0-	ragit Low	Portogal 5% 03 10	00 9512	25	- 5.7	74 Bell C	arede 10% 99 C\$ 150	11012	1107	1 5.	9 Portugal & 98 DM 2500 10029 10035 3.3086
+3 114	1035, 45	o: 98#	(135.B) (14)	- 2.82	114	1143 1134	Quebec Hydro 9 <sup>2</sup> s, 98 1 SAS 10 98 2		104	1 67		Columbia 7%; 03 CS 1250 ia Mig & Hag 8%; 90 CS 1000			-	
+1 122	1065a 21	pc 99 pc 101	21 	12 2.16 1 13 3.55 1	明为一位	1811 1784 1878 1781	SACE 912 98 1		10312	6.2		h France 9% 99 CS 275		1057	4.6 5.0	Spain -1 02 DM 2000 100.04 100.10 3.1875
+1 121	1 1173 25	BC 63	(78.5) 31	5 1.80	175 +4	1844 1734	Spain 6 <sup>1</sup> 2 98 15 Sweden 6 <sup>1</sup> 2 (3 20		10012	- 63 - 66	O KWY	t Fin 10 01 CS 400	114	1143	5.7	State Bk Victoria 0.05 99 125 99.95 100.15 5.7219
+16 1097	102 20	186	(78.5) 11 (185.5) 12 (78.5) 12	80 8.50 1 81 8.51 1	17分 七	1957 1814	Terrossoe Valley 6 00 10		100	-14 5.5 5.5		n Tel Tel 104, 99 CS 200 o 8 03 CS 1500		1111 <sup>1</sup> 2	-1, 52 -1, 63	2 100 Company Com
+1 118; +1 103		gc '09 gc '11	784 13	3.52 1 2 3.64 1	はなる	1784 1825	Terrorace Valley 53g 05 20	00 177	98	6.8	4 Onteri	b Hydro 9 02 C\$ 2000	1133	1134	5.5	4
+16 107	1867 212	CE 73	892 1A	<b>5 1.65</b> 1	45 +4	16011 137	Tokyo Bec Power 61s 03 10 United Kingdom 6% 01 30		98 1015	4 63 4 63	S Ontari	o Hydro 107, 99 CS 500 Koratolibank 167, 89 CS _ 150	1104	110 2	4.7	
+& 104, +& 123,	1154 24	pc 16 pc 20	61.6 3.4 62.0 3.5	5 J.55 1	150 松	161 1 146 1 1544 1394	United Kingdom 74, 02 90	00 104	1041	عه با <b>ـ</b>		ic Hydro 7 04 CS 1000		11012	4 50 4 64	
+4 102			(1341) 3.5	5 3.89 1	244	128 1157	West Disney 63g OT 13			4 67		c Prov 1012 98 CS 200		105	43	Carre on Jon and One 930 68 annul-bally
AL 122	1211				24 44	1257 1143	World Bank 6 <sup>3</sup> s 05 15		105	- 67 - 61	G Court	# Burope 9 01 Ext 1100	1144	110-4	1 51	A Deutsche Finance 0 17 1300 300 465 445 45 414 40
+4 1151 +4 1071 +4 967 +4 1171	10341 10%					fishion of (1) RPI bees for					Dixen	erk 5½ 02 Bou 1000	113%		4 61 4 52	Pull tal Firence 4.02 Y _ 250000 2002 columnia 2002
+14 963	BOUT INCO	congression	of RPI to	100 (SSUE) an	d have been	edjusted to	Guestin Gla OJ	97%	077	1	50 61	00 Ecu 1100	1037	1041	4.7	Grand Mistropolitan Ris CO 710 427 421 421 421
+4 11/4	100gs tack	7 JAN 3, 181	for Septem	ber 1996:	153.8 and to	Y April 1997;	Baden-Wuert L-Finance 6 99 _ 20	ID 1044	10432	36	S Britan	01 Ecu 1150 1 8 <sup>1</sup> 2 07 Ecu 750		117 <sup>2</sup> 1	4 47	Hong Kong Land 4 01 410 21 05 00 001 756
	130	•					BAYERSCHE LB GRO 8 06 15	00 10112	101	−is 5.7	7 tody 6	4 11 Ecu 2500	12334	1244	իֆ 62 իֆ 63	Land Sect 64 (2) 2 84 672 1254 1264 -4.14
.3 ***	1961						Oredit Fonder 74, 03 20 Depte Finance 67, 08 15	00 108% 00 108%	109	5.4	2 Late 1	1000 Ecu 1000 Kingdom 9 <sup>1</sup> 1 01 Ecu 2750	1157	118	4.7	MBL Int Pin 3 02 2000 20 anet anex 40 12
· · · · · · · · · · · · · · · · · · ·	7815 984						Deutsche Bk Fin 712 03 20	00 1104		그는 5.3	S ADC	10 99 AS 100			+14 4.8 −14 6.2	Misul Bank 2 03 200 2002 8 81 3 83 5
+6 871 +6 105 +6 105 +6 105	984						Deutsche Finance 5% 04 25	00 1023	1025	53	11 Commit	Bk Australia 13% 85 A5 100	115	11578	12 84	Service Capital 2 02 500 58.8087 138½ 127½ +1.39
109	SOF OF	her Fix	ea inte	rest			EEC 6 <sup>1</sup> 2 00 29 EE6 6 <sup>1</sup> 4 00 19	00 105%	106 <sup>1</sup> 2	4.0	N 687	straks Bank 61 99 AS 250	1043	104 %	rle 58	Septi BM Firence 71: 02 750
+6 1179	1025 136-2			Yeld		_ 52 week _	Finland 7 1/2 00 30	1085	108%	-t 39	7 NSW	Treasury Zero 0 20 AS 1000	173	1001 <sub>4</sub> 183 <sub>2</sub>	اله 15 بني 15	" Septoro 1-s 00 Y 20000 1050 4 tools 1001s 4086
+1 1113	<b>1931</b>		Hetes in		fce£+or-	High Upe	Heiste Ind 5% 01 15 KFW Int Finance 6% 00 22	00 1043		4 46	4 RAII	Bank 74 C3 AS 125	103	10314	7.0	Sun Allence 74 05 2 155 36 1965 1971 204 56
	Jaion.	Der 10 400 21	109 B.4		122	1234 1129	LXIS Baden-Wuent Bis 08 22	50 1037	105 <sup>1</sup> 2	52 - 12 6.0	n Sha	Sk NSW 9 02 AS 300 as Govt Fin 9 02 AS 150	108	1067	7.1	1 (CONSTRUCT HISTOR S. O. 1971 - 1971
	E Neg	11 <sup>1</sup> 200 2012 13 <sup>1</sup> 200 2009.	8.7		316 —	132½ 122 139½ 130¾	Ontario 6 <sup>1</sup> 4 04 15	1043	10412	5.4	4 World	Bank 814 00 AS 100	10434	1054	4 65	2 No migration available - previous day's price 2 City one menter maker supplied a price
54	46% Livery			3 -	42	44 3712	STRAIGHT BONDS: The yield is the	en et blave	demotion	of the his	iorine ex	Afficial install to be collined at				





## **CURRENCIES AND MONEY**

# Surplus figures send yen higher

By Richard Adams

Cruquay rated

Sections.

Market .

A. Ber. 🚤 🤟 \*\*\*\*\*\* \*\*\*

Berne Law

Marie Jalie 854.1 ·

investment grade

The yen touched its highest level for the year against the news of a booming current heavy buying of the Japanese currency.

Trading on the Tokyo and reach Y110.62 against the dollar, its strongest level for touch away from the Y64.92 seven months. The currency level in August 1995. later made further gains against sterling and the German D-Mark.

announcement of a 90 per buying yen at Y127 to cent increase in the Japanese current account surplus during April, to more than Y1,000bn for the month. Comments by US officiala concerned at the size of the surplus spurred the dollar downwards. The dollar recovered above

Y111 in Europe in early trading, but dipped below it

POUND SPOT FORWARD AGAINST THE PO

ous closing rate.

The D-Mark also suffered US dollar yesterday, after against the yen, in much public funds and US investlighter trading, as traders account surplus triggered looked for long yen positions dollars below Y111. over potential European monetary union partici-Asian markets saw the yen lost 1 per cent against the yen, and closed at Y64.93, a

■ What a difference a month makes. Six weeks ago, the The yen's gains came after Bank of Japan was said to be strengthen it against the dollar. Yesterday, there was

■ Poœ	nd in New Y	ork
Jan 11	Lettegt	Presc. class
£ spot	1.6375	1,6385
1 coth	1.6364	1.6373
ritin, C	1.6340	1.6350
1 yr	1.6240	1.6245

again before finding support Y110 to prop up the dollar. around the Y110.6 level, and In between times, the yen bounced back to close at has strengthened by over 12 Y111.3, Y1.4 below the previ- per cent on a trade-weighted basis.

In Tokyo, it was Japanese ment houses seen buying

Mr Nick Shamim, currency analyst at ANZ bank pants. The German currency in London, said that Japan's latest quarterly GDP figures, due out today, could weigh the dollar down further below Y111, despite "chunky stops" at Y110.5.

There could be a massive explosion, with the [dollar] bears taking control and pushing below Y110," Mr Shamim said.

talk the central bank was in London said the Japanese contemplating selling yen at saw the dollar's fall against the yen since May as excesto support it was possible, to limit the dollar's downside

> Mr Tony Norfield, head of treasury research at ABN



Amro, said that a strong yen will remain the dominant Shamim said. market theme, and the yen But a trader at a US bank can be expected to fall below Y110 ahead of the Denver G7

summit on 20 June. The dollar, in contrast, is also being held back hy upcoming retail sales and producer price data in advance of the Federal Open Markets Committee meeting Markets Meeting M The dollar, in contrast is sive, and that intervention also being held back hy starting on 1 July.

ABN Amro are advising the UK chancellor, deliverthat investors should stay ing his Mansion House short of dollar-yan, with stop-loss orders placed at there was some nervousness around Y112.

despite some weakness therefore sterling. But one against the yen. Sterling lost analyst said: "Whatever over two yen yesterday, as it [Brown] does is good - the slipped from Y184.7 at Tuesday's close in Europe, to Y1823 yesterday, its lowest rate since last year.

Sterling also drifted lower against the D-Mark and the uncertainty provoked clo dollar, after UK unemployment fell less than forecast tions in the punt. The Iri in May. Slight falls against both currencies led the Bank down 0.7 of a pfennig. of England's trade-weighted index lower, by 0.4 to 99.3. With Mr Gordon Brown,

speech in London today, that a revision to the government's inflation measure or Sterling remains robust, target could move gilts and

market loves him."

■ The Irish punt fell belo DM2.6 against the D-Mark Wednesday, after En currency ended at DM2.59

The punt initially gain on sterling, but ende unchanged at 1£1.082

The punt had firmed DM2.605 during the da There is an appetite to be Irish pounds," one current dealer in Dublin said. "The are a lot of short position on the punt in relation t much to incite nervousness

WORLD II	-	EST	RATE	5			-	
MONEY RA	Over	One	Three mins	Six	One	Lomb.	Dis.	Rep
Belgium France	314 314	3¼ 3 <u>&amp;</u>	314 313	34	3½ 3½	8.00 3.10	2.50	4.70 3.00
Germany Ireland Italy	3 <u>1.</u> 0	8 62 62	3 <u>8</u> 63 62	3% 62 62	314 614 613	4.50 - 8.25	2.50 6.75	6.71 6.71
Netherlands Buitzerland	33	34 14	3 <u>8</u> 114	314	3¾ 1월	:	2.50 1.00	29
JS Japan	5 <u>2</u> 16	5% å	6 <u>0</u>	5%	64 ~		5.00 0.50	
# \$ LIBOR FT Lo sterbank Fixing	ndon -	5 <u>0</u> 5.45	52 5.59	5 <u>8</u> 5.71	64 5.97	-	-	
US Dollar CDs SCU Linked Ds SDR Linked Ds.	Ξ	44	4%	4 <u>8</u> 38	4 <u>7</u> 37	-	-	
LIBOR Interbenk vierence benis st Maubiehi, Bercleys	during rat	es are of th worlding	fered rad g day. Ti	es for \$ no bardo	10m qua ans. Ba	and to the Solders Trus	o marko st, Bank	t by i

S LIBOR in reference be Mitaublehi, i Mid refes are	terbenk tiding me enics at 11 am eac Bercleys and Nistic shown for the cor	on working de onel Westmins mestic Morwy R	y. The bard ler, lates, US\$ C	ico are. Banka Da, ECU & SDI	na Trust, B. R Linked De	ank of 10kg posits (Ds)
EURO	Bardays and Nation shown for the dor  CURRENC  Short	YINTE	REST	RATES	Shx	One

EURO (				**	C+	
Jun 11	Sh			months	Stx months	One year
Baldian Fran	c 34 ·	34 34 -			34 - 34	313 - 3
Denieh Kron	313				36 3	312 - 3
German Mari	k 312 ·				3/4 3/4	35 - 3
Dutch Guilde		-3 3/2 -		34 - 35	34 34	3 3 - 3
Franch Franc					313 3.4	35 - 3
Portuguese I		- B 61s -			53 54	56 - 5
Spenish Pes			54 54 54	54 - 50	512 - 512 612 - 614	54 5
Starting	614				143 - 1.4	130
Swiss Franc		27 34			345 313	4/ 3
Canadian Do	5l <sub>2</sub> -				503 - 513	64 6
Italian Lira	7				64 - 60	6HZ - 6
Japanese Ye			3 13 - 15	5 . 2	8-4	8 . 0
Agien SSino	314				352 - 312	34 . 3
Short him int	SE NY CAL	for the US	Doller and Yen, o	thers: two day	e' notice. k offered rat	te
II THREE	Open	Sett price	Change Hig	Paris Interber	k offered na Est. vol	Open i
Jun	Open 96.55	Sett price ( 96.52	Change High +0.04 96.5	Paris Interber h Low is 96.51	Est. vol 20,684	Open i 59,61
Jun Sep	Open 96.55 96.45	98.52 98.42	Change Hig +0.04 96.5 +0.05 98.4	Paris Interber h Low i5 96.51 16 96.41	Est. vol 20,664 38,339	Open is 59,61- 65,30
Jun Sep Dec	Open 96.55 96.45 96.45	96.52 96.42 98.41	Change Hig +0.04 96.5 +0.05 96.4 +0.04 96.4	Paris Interber h Low is 96.51 is 96.41 is 96.40	Est. vol 20,684 38,339 235	Open is 59,61- 65,30 34,34
Jun Sep Dec	Open 96.55 96.45 96.45	PIBOR PUT Sett price ( 96.52 96.42 96.41 EUROMAR	Change Hig +0.04 96.5 +0.05 98.4 +0.04 96.4 K FUTURES (	Paris Interber h Low is 96.51 is 96.41 is 98.40 UEFFE) DM1:	Est. vol 20,684 38,339 235 m points of	Open i 59,61 65,30 34,34 100%
Jun Sep Dec IF THREE	Open 96.55 96.45 96.45 MONTH I	PIBOR PUT Sett price ( 96.52 96.42 98.41 EUROMAR Sett price (	Change Hig +0.04 96.5 +0.05 98.4 +0.04 96.4 *K FUTURES (Change Hig	Paris Interber h Low is 96.51 is 96.41 is 96.40 UFFE) DM1	Est. vol 20,684 38,339 235 m points of Est. vol	Open i 59,61- 65,30 34,34 100% Open i
Jun Sep Dec M THERES	Open 96.55 96.45 96.45 MICHETH I Open 96.88	PIBOR PUT 96.52 96.52 96.42 96.41 EUROBEAR Sett price ( 96.87	Change High +0.04 96.5 +0.05 96.4 +0.04 96.4 K FUTURES (Change High +0.01 96.8	Paris Interber h Low is 96.51 is 96.41 is 96.40 UFFE) DM1: h Low 7 96.86	Est. vol 20,684 38,339 235 m points of Est. vol 23293	Open i 59,61 65,30 34,34 100% Open i 19423
Jun Sep Dec MF THEREE!	Open 96.55 96.45 96.45 MICHETH I Open 96.88 96.81	PIBOR PUT Sett price ( 96.52 96.42 96.41 EUROBIAR Sett price ( 96.87 96.82	Change High +0.04 96.5 98.4 +0.05 98.4 +0.04 96.5 K FUTURES (Change High +0.01 96.8 96.8 96.8 96.8 PURITY HIGH +0.01 96.8 PURITY HIGH +0.01 96.8 PURITY HIGH +0.01 PURITY HIGH	Paris Interber h Low 55 96.51 16 96.41 15 98.40 LUFFE) DM1: h Low 7 96.86 9 98.81	Est. vol 20,884 38,339 235 m points of Est. vol 23293 28518	Open is 59,61- 65,30 34,34 100% Open is 19423 24057
Jun Sep Dec M THERES	Open 96.55 96.45 96.45 MICHETH I Open 96.88	PIBOR PUT 96.52 96.52 96.42 96.41 EUROBEAR Sett price ( 96.87	Change High +0.04 96.5 +0.05 96.4 +0.04 96.4 K FUTURES (Change High +0.01 96.8	Paris Interber h Low 55 96.51 16 96.41 15 98.40 LEFFE) DM1: h Low 7 96.86 3 96.81 4 96.71	Est. vol 20,684 38,339 235 m points of Est. vol 23293	Open i 59,61- 65,30 34,34 100% Open i 19423 24057 25610
Jun Sep Dec HE THREE I	Open 96.55 96.45 96.45 MONTH I Open 96.88 98.81 98.72 96.60	PISOR PUT Sett price ( 96.52 96.42 96.41 EUROMAR Sett price ( 96.87 96.82 96.72 96.61	TURNES (MATIF) Change Higg +0.04 96.5 +0.05 96.4 +0.04 96.8 K FUTURES (Change Hig +0.01 96.8 - 96.8	Paris Interber h Low i5 96.51 i6 96.40 LEFFE) DM1: h Low 7 96.86 98.81 4 96.71 3 96.60	Est. vol 20,664 38,339 235 m points of Est. vol 23293 28516 18142 13850	Open 6 59,61- 65,30 34,34 100% Open 6 19423 24057 25610 22965
Jun Sep Dec HE THREE I	Open 96.55 96.45 96.45 96.45 MONTH I Open 96.88 96.81 96.72 96.60 MITH EUR	Sett price (96.52 96.42 96.41 EUROMAR Sett price (96.87 96.82 96.72 96.61 ROMARK I	Change High +0.04 96.5 +0.05 96.6 PUTURES (LIFTURES CLIFTURES CLIF	Paris Interber h	Est. vol 20,664 38,339 235 m points of Est. vol 23293 28516 18142 13850	Open ii 59,61- 65,30 34,34 100% Open ii 19423 24057 25610 22965 0%
Jun Sep Dec HE THREE I	Open 96.55 96.45 96.45 96.45 MONTH I Open 96.88 96.81 96.72 96.60 MITH EUR	PEROR PUT Sett price ( 96.52 96.42 96.41 EUROMAR Sett price ( 96.87 96.82 96.72 96.61 ROBBARC ( 96.88	Change High +0.04 96.5 96.4 +0.05 96.4 +0.05 96.4 +0.05 96.4 FUTURES (Change High +0.01 96.8 96.8 - 96.7 96.6 FUTURES (LITTURES (LITTURE	Paris Interber h Low 15 96.51 16 96.41 15 96.40 LEFFE) DM11 h Low 7 96.86 3 96.81 3 96.71 3 96.60 FE) DM3rn i h Low	Est. vol 20,884 38,339 335 m points of Est. vol 23293 28518 18142 13850 points of 10	Open i 59,61 65,30 34,34 100% Open i 19423 24057 25610 22965 Open i
JAIN Sep Dec BE THREE I JAIN Sep Dec Mar BE ONLE MIC	Open 96.55 96.45 96.45 96.45 MONTH II Open 96.88 96.81 96.72 96.60 Open 96.72 96.60 Open 96.72 96.60 Open 96.72	PRIOR PUT Sett price ( 96.52 96.42 96.41 EUROBEAR Sett price ( 96.87 96.82 96.61 ROBBARC I Sett price ( 96.82 96.61 ROBBARC I 96.89 96.89	Change High +0.04 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.	Paris Interber h Low 15 96.51 16 96.41 15 96.40 LEFFE) DM11 h Low 7 96.86 3 96.81 3 96.71 3 96.60 FE) DM3rn i h Low	Est. vol 20,884 38,339 235 m points of Est. vol 23293 28518 18142 13850 points of 10 Est. vol	Open i 59,61- 65,30 34,34 100% Open i 19423 24057 25610 22965 Open i 2742 361
Jun Sep Dec B THREE Jun Sep Dec Mar B ORE MG	Open 96.55 96.45 96.45 96.45 MONTH II Open 96.88 96.81 96.72 96.60 Open 96.72 96.60 Open 96.72 96.60 Open 96.72	PEROR PUT Sett price ( 96.52 96.42 96.41 EUROMAR Sett price ( 96.87 96.82 96.72 96.61 ROBBARC ( 96.88	Change High +0.04 96.5 96.4 +0.05 96.4 +0.05 96.4 +0.05 96.4 FUTURES (Change High +0.01 96.8 96.8 - 96.7 96.6 FUTURES (LITTURES (LITTURE	Paris Interber h	Est. vol 20,684 38,339 235 m points of Est. vol 23293 28518 18142 13850 points of 10 Est. vol 1	Open ii 59,61- 65,30 34,34- 100% Open ii 19423 24057 25610 22965 Open ii 2742

	Open	Sett price	Change	High	Low	Est. vol	Open i
Jun	96.55	96.52	+0.04	96,55	96.51	20,684	59,61
Sep	96.45	96.42	+0.05	96.46	96.41	38,339	65,30
Dec	96.45	26.41	+0.04	96.45	96.40	235	34,34
M THE	EE MONT	H EUROMA	AK FUTU	RES (LIF	PE) DM1	n points of	100%
	Open	Sett price	Change	High	Low	Est. vol	Open i
Jun	96.88	98.87	+0.01	96.87	96.86	23293	19423
Sep	98.81	96.82	-	96.83	98.81	28518	24057
Dec	96.72	96.72	-	96.74	96.71	18142	25610
Mar	96.60	96.61		96.63	96.60	13850	22965
E OKE	MONTH S	UROMAN		SS (LIFFE)	DM3m p	oints of 1	
	Open	Sett price	Change	High	Low	Est, vol	
Jun	26.89	28.89	-	96.89	96.89	1	2742
-Jul		96.89	+0.01			0	361
Aug		96.87	+0.01			0	140
Sep		98.85				0	3
THR	E MONTH	EUROLIR					
	Open	Sett price	_	High	Low	Est. vol	
Jun	93.06	93.11	+0.08	93.12	93.05	18004	70482
Sөр	93.27	93.33	+0.08	93.35	93.27	29282	11247
Dec	93.51	83.54	+0.07	93.56	93.51	17321	61779
Mar	93.65	93.66	+0.07	93.87	93.63	9229	38988
- THE	MORTH E	URO SWISS	RANG RU	TURGES (LIF	·FE) \$Fr1m	points of 10	0%
	Open	Sett price	Change	High	Low	Est. vol	Open is
Jun	98.59	98.86	+0.13	98.67	98.58	10273	35813
Sep	98.49	98.57	+0.13	98.82	98.48	14538	59888
Dec	98.34	98.40	+0.12	86.40	98.32	4989	36682
Mar	98.21	98.28	+0.11	98.29	98.21	1956	15210
F THE	E MONTH	EUROYE	PUTUR	S (LIFFE)	4100m p	clots of 10	10%
	Open	Sett price	Change	High	Low	Est. vol	Ореп
Jun		99.40	+0.03			0	ла
Sep	99.29	99.29	+0.06	99.29	99.28	70	na
Dec	99.00	99,06	+0.10	99,07	99.05	35	na
M THE	E MONTH	ECU FUT	URIES (L)F	FE) Ecute	n points o	100%	
	Open	Sett price	Change	High	Low.	Est. vol	Open k
Jun	95.82	95.82	+0.02	95.83	95.81	457	6666
Sep	95.78	95.80	+0.03	95.81	95,78	739	7374
Dec	95.75	95.78	+0.01	95.77	95.75	125	5601
Mor	95.69	95.70	+0.02	95.71	95.69	63	3935
LIFFE N		AFTE					

0.18

# [Sch] 19.7554 -0.0503 469 - 859 18.8023 19.7171 19.7019 3.2 19.8139 2.9 (9F1) 57.9386 -0.1542 882 - 918 58.0810 57.896 57.896 32 57.886 3.2 57.886 (0K) 10.6964 -0.0224 849 -940 10.7130 10.6963 10.684 2.9 10.6115 2.9 10.519 (FM) 8.4303 -0.0207 239 - 367 8.4610 8.4040 (FF1) 8.4925 -0.0228 885 - 961 8.8134 9.4896 9.4683 3.1 8.4204 10.9137 (0M) 2.8071 -0.007 061 -061 2.8142 2.8007 2.7996 3.2 2.7835 3.4 2.7132 (0M) 445.893 -2.531 860 -077 448.407 443.938 (EI 1.0817 - 307 828 1.0852 1.0783 1.0818 -0.1 1.0806 0.3 1.0738 (II 1.77826 -0.1542 882 -818 59.0610 57.8460 57.7835 3.2 578.835 (FF) 3.1576 -0.0078 584 -587 3.1682 3.1510 3.1491 32 3.1311 3.4 3.083 (FF) 3.1576 -0.0088 129 -261 11.7379 11.6640 11.980 3.1 11.6255 3.1 11.3385 (ES) 284.151 -0.856 017 -265 285.016 282.734 284.001 0.6 283.626 0.7 (Ps) 237.479 -0.0849 403 -554 238.220 256.920 237.519 0.3 236.879 1.0 234.124 (SKr) 12.7089 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7089 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7089 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7089 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7089 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7089 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7898 -0.0837 003 -174 12.7897 12.5890 12.8874 2.0 12.894 2.2 12.4454 (SKr) 12.7894 -0.0858 144 -433 1.4460 1.4399 1.4397 2.2 1.4338 2.4 1.4057 1.4424 -0.0058 414 - 499 1.4460 1.4389 1.4387

		mez-porte	on day	spread	high	low	Rate	%PA	Paste 1	KPA- F	ate 9	6PA Eng.	ndex.			nid-paint	on day	apread	high	icrar	Pete	%PA	Rate	%PA	Rate	%PA Index
Europe Austria	(Sch)	19.7554	_0.0503	469 - 6S	9 18.8023	10 2424	10 7040							горе			1,00									
Balgium	(BFr)	57.9385		852 - 91		19.7171 57.8490			19.6159 57.4685	32 5	1.0985			strie gium	(Sch)	12.0877		851 - 703 570 - 170	12.0850 35.4800	12,0230	35,317		11.9985 35.162	2.6	11.7477 34.422	2.7 102.6 2.7 102.7
Denmark Finland	(DK/)	10.6896 8.4303		239 - 36		10.8893 8,4040	10.864	29	10.6115	2.9	19.39	25 1	05.5 Da	nmerk.	(DKA	6.5297	-0.0064	283 - 311	8.540	8.5055	6.5179	2.2	6.4932	2.2	8.3812	2.9 104.7
France	(FFFr)	9.4925		888 - 98		9.4898	9.4683	3.1	9.4204	30 5	.1978			and noe	(FFri	5.1497 5.7995		469 - 525 175 - 995	5.1855 5.8120	5.1329 5.7770	5.1378 5.7968		5,1134 5,7641	20	5.0052	2.8 81.5 2.6 104.6
Greace	(DMC)	2.8071		061 - 08 690 - 07		2.8007	27995	32	2.7835		27132	3.3 1	CSLS Ge	many .	(DM)	1.7148	-0.0019	145 - 150	1.7190	1.7083	1.7111	2.6	1,7034	2.7	1.6665	2.B 108.5
ireland	(121)	1.0817		807 - 82	1.0852	1.0763	1,0818	-0.1	1.0806	0.3	.0738	0.7		ece and	(Dr)	1,5135		310 - 430 125 - 145	273,920 1,5235	1,5090	273.255 1.5129		274,795 1,5123	-3.6 0.3	281.07	03 -
Italy Luxumboure	(L) (LFr)	2788.04 57.9385		488 - 72 852 - 81		2764.82			7789.34	-0.5 27	55.44	0.4	78.1 Ha	y	(1)	1689.AS	-8.85	930 - 900	1694.70	1688.75	1691.55	-1.3	1894.25	-1.1	1696.59	-0.A 75.5
Netherlands	(FB)	3.1576		564 - 58		57.8490 3,1510			37.4885 3.1311		3.068			theriends	(LFr)	1,9298		570 - 170 285 - 291	35,4800 1,9339	1.9218	35.817		35,162 1,9161	2.6	34,422 1,8757	27 1027 28 1022
Norway Portugat	(NK/) (Es)	11.7195 284,151		129 - 26		11.8640	11.989	3.1 1	1.6295	3.1 11	3835		97.A No	mey	NK)	7,1586	-0.0126	564 - 614	7.1740	7.1137	7.1416	2.9	7,1182	24	8.9904	24 96.8
Spain	(Pte)	237.479		017 - 28: 408 - 55		282,734	284,001 237,519		283.626 238.879	1.0 29	4.124	1.4	77.4 So	tugai in	(Es)	173.575		530 - 620 050 - 060	174,110	172,350	179.58		173,495 144,988	0.2	172.185	0.8 93.6
Sweden Switzerland	(SKr)	12.7088	-0.0637	009 - 174	12.7897	12.6990	12.6874	20 1	2.6364	22 12	4454	21	53.1 Sw	eden	(SKI)	7.7838		507 - 668	7.7930	7.7433	7.7539		7.7333	1.5	7.6368	1.8 82.7
UK Switzeriand	(SFr)	2.3518	-0.0141	508 - 526	2.3610	2.3460	23422	4.8	2.3231	48 2	2391		04.9 SM 19.3 LK	toerland	(BFt)	1,4365		362 - 368 367 - 374	1,8420	1,4315	1,8317		1.6336	4.1	1,3762	42 104.4
Ecu		1.4424	-0.0053	414 - 435	1,4460	1.4399	1.4397	22	1.4338	24 1	4067	2.5	• Ea		43	1.1350		345 - 355	1.1978	1.1330	1_1364		1.1398	-1.7	1,1574	-2.0 -
SDR† Americas	-	1.17255		-			•	-	•	-		•	- 80	At erices	- 6	1715927	-	-		•	-		•	•	-	
Argentina	(Peso)	1.6368		364 - 372		1.6348			-			-		entine.	(Penc)	0.9999		968 - 909	0.9999	0.9998				-	-	
Brazil Canada	(FIS)	1,7565 2,2698		560 - 566 690 - 707		1,7537 2,2666	2.2636	3.3	2.2522	21 2	2104	2.6	- Bra		(PS)	1.0730		729 - 730	1,0731	1.0728		:		.:	-	-: -:
Mexico (Na	w Pesol	13.0563	-0,0007	494 - 832	13.0971	13.D414	22000	•	-	41 4	-2104	-		recte dop (Ne	w (Pesso)	7.9755		863 - 868 730 - 780	7,9780	1.3955 7.9710	1,3837 8,064		1.3781 8.2955	2.5 -15.5	1.3591 9.2905	2.0 83.B -16.4 -
USA Pacific/Midd	(8) Ener/4	1.8371	-0.0022	367 - 374	1.6433	1.8350	1,6350	0.9	1,6398	0.9 1	6238	0.6 1	31.5 US	A .	(5)		-	•					•	2	•	- 102.9
Australia	(A\$)	2,1573	+0.0052	561 - 584	2,1620	21484	2.1567	0.5	21548	0.5 2	1448	0.6 9		riic/Middle	(AS)	1.3178	+0.005	173 - 182	1,3185	1.3148	1.3182	-0.4	1.3183	-0.2	1.3179	0.0 94.5
Hong Kong	(+#45)	12.6729		694 - 764		12.6575	12.6669	0.0 1	2.6563		6210	0.4	- Hor	g Kong	(HKS)	7,7413	-0.0007	408 - 418	7,7429	7.7408	7,7423	-0.2	7.7437	-0.1	7,7538	-0.2 -
india Israel	(Fis) (Shk)	58.6097 5.5649		562 - 631 579 - 706		58.5490 5.5570	:	:	:	:	:	-	- Indi		(Shk)	35,8020		770 - 270 958 - 021	35,8280	35,7650	35,802	-3.0	36,177	-42	33.982	5.1 -
Japan	m	182,277	-2,439	181 - 374	184.210	181,380	181.217	7.D 1	79.207	6.7 17	0.392	6.5 13	i.S Jap			111.345	-1,335	310 - 380	112.500	110.820	11029	5.0	109,685	8.0	104,785	5.9 136.3
Malaysia New Zeeland	(MS)	4,7160 2,3648		143 - 177		4,1127	2.3648	01	2.3856	-0.1 2	3727	-0.3 11		nysia v Zeniend	(NZS)	2.5149		138 - 148 438 - 453	2.5155	2.5130	2.5186	-1.1	2.5207	-1.D	2.5376	-0.9 -
Philippines	(Peso)	43,1821		434 - 208		43.1424	23040		-	-4: 2	2121			ppines		25,3780		800 - 960	26,3980	1.4435	1.4454	-0.7	1,4478	-0.9	1,4579	-0.9
Sauch Arabia	(SR)	6,1399		384 - 414		6.1326	-	•	-	٠	-	-	- Sm.	d Arabia	SPO	3.7508	+0.0001	506 - 507	3,7508	3.7505	3,7508		3.7513	-0.1	3.7542	-0.1 -
Singapore South Africa	(SS)	2,3218 7,3610		205 - 231 570 - 850		2.3205 7.3539	:	:	:	-	:	:		phoxee th Africa	(SS)	1,4163		178 - 188 950 - 980	1,4208 4,4990	1,4175	1,4186 4.536		1,4125 4,6135	1.6 -10.4	1.3908 4.9115	-0.2
South Korea	(Word)	1457.79	-2.83	339 - 220	1463,19	1452,97	-	-	-	-	-	-	· Sou	th Korne	(Word	890.500	-0.5	000 - 000	863,000	888.000		•		-	4.011.0	
Talwan Theiland	(TS)	45.6328		821 - 635 353 - 157		43.8950	:		:	-		:	- Tah	vest Burnel		27,8750		500 - 000 500 - 500	27,8000		27,8757 23,9612		27,877 24.085	-3.1	27.8813 24.855	-32 -
1 Roses for Jun	10 . Bidfol	fler spreads	in the Pour	nd Spot tabl	a start only th	4 km me							1 3													not directly
but are implied Mici-cates in bot	n and and	the Dotter S	Sport Inhieu	derived from	I THE WANTE	SUTERIS CIL	OSING BPO	T PATES.	0 = 100, k Some valu	NAME OF THE REAL	ad 1/2/95 adad by 1	by F.T.	ब्बर्स कुछ 10,	ed to the a Been street	pe 1990-1	oo.	d by curre	nt Interest a	ntes, UK, Iro	and & BCL	sa thó	ed in US	currency.	LP. Morga	au nomine	d Indices Jun
The exchange is	osá busied	au ding tenoa	Me 1850 19	entition) Cut in	4 14501455 45 11	do des	F-[,20m]						ine	encumida u	net hann	0 N VIII 1	COR STO SEC	c) designative (	of the Interne	it at https://	Total 12	AC-PIG				
CROSS					IVES						-										٠	•				·
Jun 1		BFr	DKr	FFr	OM E	L	A	NIG	-	Ptn	89	tr SF	٤	CS		Y	Ecu									_
Belglum	(BFr)	100	18.45	16.39	1.845 1.8	87 477	4 5,45				21.			3.916	2,526	314,8	2,489									
Denmark	(OK)	54.20	10		2,626 1.0									2.124	1.531	170.5	1.349		7							
	(FF4) (DM)	61.04 20.64	11.26 3.806	10 3 3.381	2.957 1.13 1 0.33									2.391	1.725 0.583	192.0	1.519 0.514						Th			
ireland	(E)	53.57			2.595 1 0.101 0.03									2.099	0.059	168.5	1.333 0.052						1111	Sari	IUUI	ncemer
laly Vetherlands	(L) 8F0	2.095 18.35	0.386 3.385		0.101 Q.01 0.889 Q.3			3.712						0.719	0.518	57.73	0.457									
Norway	(MKr)	49,44	8.121		2.395 0.8				242.					1.937	1.397	155.5	1,231	) .	i							
	(Es) (Pta)	20.39			0.988 0.3 1.182 0.4									0.799	0.578	84.15 76.76	0.508		i			We	are	ple	250	d to a
Sweden	(SKI)	45.59	6.411	7,488 2	2.206 0.8	51 217	8 2.48	8.22	223.0	6 186.1	10	1.85	0.787	1.785	1.288	143.4	1.135						<b></b>	μ.υ	400	u, to u
	(SFr)	24.64	4.546 10.69		1.194 D.41 2.807 1.00				120.1	8 101.0 2 237.5			0.425	0.985	0.896	77.51 182.3	0.513	1								
UK Canada	ics)	57.94 25.52			237 0.4			5.1B		2 104.4	5.5	1.03		1	0.721		0.535		1							•
USA	(5)				1.715 0.60 1.540 0.50									1,387 1,245	0.898		0.881									
Japan Ecu	M				.948 0.7											125.4	1									
Dunch Kroner, F						C Belgier	Franci, Yeri,					RES (M	V) Yen 12	Sm per Y	n 100											
	Open '	Labet	Change		Low	Est. vo		_		Open	Little					L vol O			ŀ							
	5815	0.5831	+0.0010			10,047				0.8905	0.90		100 0.90				4,915 15,138									
Sep C Dec	.5860	0.5870 0.5910	+0.0008			23	480	De	č	0.9248	0.92		103 0.8			42	911		İ							
SWISS FE	ANC E				per SPr				STERL	NG FUT	URES	MAN) ES	,500 per 9						l							
	and a					7 000	24,940			1.6964	1,53		008 1,54		150 5	.061 2	8,988						•			
	,6832 ,7018	0.8875	+0.0034	0,8990		7,638 16,338				1.6354	1.53	42 -0.0	008 1.60	1.8	120 7	398 2	2,148									
	7105		+0.0031	0.7135		17	624	De	C	1.6300	1.63	00 -0.0	014 1.63	1.8	300	5	115								for	r the
-								E	MS E	UROP	EAN	CUR	HENCY	UNIT	RATE	S										
UK INT	ERES	HAR	ES						n 11	· Ecu	CBN.	Plate	Chang	e %+/	from 9	spread			i					_		
LONDON	MO	VEY R	ATES					. –		तर्थ		gainst Ec	_			wedoos								Ar	ne	rical
Jun 11		Over-	7 days	One	Three	Six	One		land	0.798		0.752925				8.81	39									
		night	notice	month	months	months		- Fin	rtugal land	197, 5.85		188.233			42 55	2.14	-3 -4									
interbank Steri	les II	64 - 2	612 - 64	67 - 64	84 - 84	8% - 64	74 - 7	, Sp	ein 💮	183.	826	165,748	-0.0	96 1,	17	1.38	-8									
Mantle	n y	-			1 House 1 House	D-4 - D-7	Det - 122																			
	e ny	:	- :	613 - 61	613 - 613	P4 - 01	623 - 63	1		1908 7.34		1931.15 7.45700			29 52	1.26 1.04	9 10									
Sterling CDs Treasury Bills Bank Bills			ela : el	613 - 61 613 - 61 613 - 61 613 - 61	612 - 612 612 - 612	012 - 013 013 - 013	73 - 6	1	cenerk Userland	7.34 2.18	555 979	7,45700 2,20381	+0.003	43 1. 01 1.	52 54	1.04	~10 -11									
Freeducy Bills Bank Bills ocal authority	dece.	6% - 64 0% - 64	61 <sub>2</sub> · 63 <sub>4</sub>	613 - 64 613 - 64 614 - 64	65 - 61 61 - 61 62 - 61 61 - 61	612 - 61 613 - 61	74 - 6	De No	ornerk therland many	7.34 2.18 1.92	555 879 573	7.45700 2.20381 1.95847	+0.003 +0.00 +0.00	43 1. 01 1. 09 1.	52 54 70	1.04 1.01 0.86	-10 -11 -17		_							
Freemany Bills	dept. f	0.4	6-8 - 0-4	613 - 61	. 619 - 619		74 - 6	De Ne Ge Au	cenerk Userland	7.34 2.18	555 979 573 485 191	7,45700 2,20381	+0.003 +0.00 +0.00 +0.00	43 1. 01 1. 09 1. 59 1.	52 54	1.04	~10 -11		_							

Interborals Sistering CDs Stering CDs Stering CDs Stering CDs Bank Bills Local author Discount Ma UK clearing UK clearing Certs of Tax Certs of Tax Ave. tender a Ave. ten	in in the state of	e lending r 00,000) ST00,000 to SUIT On May greed rate for d May 1, 181 om Jun 1, 181	8 <sup>1</sup> g · 6 <sup>1</sup> 4 rate 6 <sup>1</sup> 2 pa Up to 1 month 2 <sup>1</sup> 2 2 <sup>1</sup> 2pa. Dep 30, 62108 pr period lu 87 to May 3 987	613 - 615 613 - 615 613 - 615 614 - 615 614 - 615 month 512 costs with a x. ECGD 2 x. ECGD 2 x. ECGD 3 x. ECGD 3	65s - 6.5 612 - 612 612 - 613 613 - 613 1 Jun 6, 19 3-6 months 5 mont for case and rate 5, 19 to Jul 25, 19 ternes IV 8	63 - 63 63 - 63 63 - 64 63 - 64 97 B-9 months 5 h 11-po. 1 - Export Fin 97, Scheme V 8.530po. F	631 - 63 7-3 - 63 9-12 monitor 43, exce. Market of 7.78pc
Treamury Bill Bank Bills Bank Bills Local author Discount Ma UK clearing Certs of Tax Bull Bills	my clepts, when the clepts is clept. (CT) dept. Under the of cletts of cletts of the c	e lending r  00,000) ST00,000 to sout on May greed rate it d May 1, 181 om Jun 1, 11	8 <sup>1</sup> g · 6 <sup>1</sup> 4 rate 6 <sup>1</sup> 2 pa Up to 1 month 2 <sup>1</sup> 2 2 <sup>1</sup> 2pa. Dep 30, 62108 pr period lu 87 to May 3 987	613 - 613 613 - 613 614 - 613 614 - 613 614 - 613 marith 51 <sub>2</sub> costs withdown 25, 1987 : 0, 1997, 9d	6 6 2 - 6 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6	93 - 93 93 - 94 97 B-9 marths 5 1 14pp. 1 Expo. Fin 97, Scheme V 8.530pp. F	7-12 - 63 - 63 - 63 - 63 - 63 - 63 - 63 - 6
Bank Bills Local author Discount Ma UK clearing Certs of Tax Certs of Tax Ans. tonder as up day May 3 Reference min- riouse Bese F	rive depa.  I dep. (C1)  I dep. (C1)  I dep. (C1)  I dep. under  I dep. (C1)	e lending r  00,000) ST00,000 to sout on May greed rate it d May 1, 181 om Jun 1, 11	8 <sup>1</sup> g · 6 <sup>1</sup> 4 rate 6 <sup>1</sup> 2 pa Up to 1 month 2 <sup>1</sup> 2 2 <sup>1</sup> 2pa. Dep 30, 62108 pr period lu 87 to May 3 987	613 - 613 612 - 613 r cent from 1-3 month 512 colts withth x, ECSD 8 r 25, 1867 0, 1997, 9d	6 <sup>1</sup> 2 - 6 <sup>1</sup> 6 6 <sup>1</sup> 6 - 6 <sup>1</sup> 6 7 Jun 6, 19 3-6 months 5 20wn for case and rate 3 <sup>1</sup> 6 to Jul 25, 19	97 B-9 marths 5 h 11 <sub>4</sub> pc. pport Fin 97, Scheme V 8.530pc. F	9-12 months 43, ence Mark of 7.78pc
Local author Discount Ma UK clearing Certs of Tax Certs of Tax or Ann. tender at up day May 3 Reference rain House Base F	thet department depart	e lending r  00,000) ST00,000 to sout on May greed rate it d May 1, 181 om Jun 1, 11	8 <sup>1</sup> g · 6 <sup>1</sup> 4 rate 6 <sup>1</sup> 2 pa Up to 1 month 2 <sup>1</sup> 2 2 <sup>1</sup> 2pa. Dep 30, 62108 pr period lu 87 to May 3 987	612 - 613 r cent from 1-3 month 512 colts white x, ECSD 8 r 25, 1887 0, 1997, Sci	I Jun 6, 19 3-6 months months report for cast and rate Select to Jul 25, 19 to man IV & 1	97 B-9 marths 5 h 11 <sub>4</sub> pc. pport Fin 97, Scheme V 8.530pc. F	9-12 months 43, ence Man of 7.78pc
Discount Ma UK clearing Certs of Tax Certs of Tax Ave. tender as up day May 3 Reference rain House Base F	thet department depart	e lending r  00,000) ST00,000 to sout on May greed rate it d May 1, 181 om Jun 1, 11	8 <sup>1</sup> g · 6 <sup>1</sup> 4 rate 6 <sup>1</sup> 2 pa Up to 1 month 2 <sup>1</sup> 2 2 <sup>1</sup> 2pa. Dep 30, 62108 pr period lu 87 to May 3 987	1-3 month 5 <sup>1</sup> 2 colts winds x, EC3D 8 r 25, 1987; 9d	3-8 months 5 months 5 month for case and rate Sale to Jul 25, 19 termes TV & 1	B-9 months 5 11 1 pp. 12 pport Fin 197, Scheme V 8.530po. I	9-12 months 43, ence Man of 7.78pc
Certs of Tax of Are. tonder an Are.	t dep. (C) dep. under the of class 0, 1997. A tor perfor neconTH	00,000) EYBLIDD IN May 7, 19 on Jun 1, 11	Up to 1 month 21 <sub>2</sub> 21 <sub>2</sub> pp. Dep 30, 6.2108; or period Ja 7 to May 3 987	1-3 month 5 <sup>1</sup> 2 costs withth x, EC3D 8 n 25, 1887 1 0, 1997, 9d	3-6 months 5 sown for case and rate 3-8 to Jul 25, 19 homes IV 8.1	B-9 months 5 h 13-pc. p. Export Fin 197, Scheme V 8.530pc. F	morahs 43, ence Main af 7.78pc
Certs of Tax of Are, tender at up day May 3 Returning mile House Base F	dep. (C1) dep. under the of classes to period ten 7pc for necolitiis	00,000) EYOD,000 is sunt on May greed rate k d May 1, 18 om Jun 1, 11	Up as 1 month 21 <sub>2</sub> 21 <sub>2</sub> ps. Dep 30, 6.2108; or period Ju 30, 710 May 3 987	1-3 month 5 <sup>1</sup> 2 colts which x. ECSD 8 n 25, 1997, 9d	3-6 months 5 sown for case and rate 3-8 to Jul 25, 19 homes IV 8.1	B-9 months 5 h 13-pc. p. Export Fin 197, Scheme V 8.530pc. F	months 43, ence Man if 7.78pc
Certs of Tax of Are, tender at up day May 3 Returning mile House Base F	dep. (C1) dep. under the of classes to period ten 7pc for necolitiis	00,000) EYOD,000 is sunt on May greed rate k d May 1, 18 om Jun 1, 11	Up as 1 month 21 <sub>2</sub> 21 <sub>2</sub> ps. Dep 30, 6.2108; or period Ju 30, 710 May 3 987	1-3 month 5 <sup>1</sup> 2 colts which x. ECSD 8 n 25, 1997, 9d	3-6 months 5 sown for case and rate 3-8 to Jul 25, 19 homes IV 8.1	B-9 months 5 h 13-pc. p. Export Fin 197, Scheme V 8.530pc. F	morahs 43, ence Main af 7.78pc
Cents of Tax of Awa, tender of up day May 3 Reference talk House Base F	dep. under the of class 0, 1997. As to partice age 7pc for accountry	STOC,000 is sunt on May greed rate k d May 1, 19 om Jun 1, 11	2 <sup>1</sup> 2 Dep 2 <sup>1</sup> 2pc. Dep 30, 6.210g or period Ju 97 to May 3 987	5 <sup>1</sup> 2 ceits withda x. ECSD in 25, 1987 i 0, 1997, 9d	5 move for case and rate Skip to Jul 25, 19 heroma IV & 1	5 h 14pc. p. Export Pin 197, Scheme V 8.530pc. F	43, ence filer if 7.78pc Pearce
Cents of Tax of Awa, tender of up day May 3 Reference talk House Base F	dep. under the of class 0, 1997. As to partice age 7pc for accountry	STOC,000 is sunt on May greed rate k d May 1, 19 om Jun 1, 11	2 <sup>1</sup> 2pc. Dep 30, 6.2108; or period Ju 97 to May 3 987	celts withda x. EC3D in 25, 1987 0, 1997, 9d	apon for cast and rate Sag to Jul 25, 19 hereas IV &	h 14pp. L Export Fin 197, Scheme V 6.530pc. I	ence. Man N 7.78pc Poence
Cents of Tax of Awa, tender of up day May 3 Reference talk House Base F	dep. under the of class 0, 1997. As to partice age 7pc for accountry	STOC,000 is sunt on May greed rate k d May 1, 19 om Jun 1, 11	or period Jul 97 to May 3 987	25, 1987 1 0, 1997, 9d	to Jul 25, 19 hemas TV &	97, Scheme V 6.530pc. F	100%
,turn	_						
		COL MICHO	Charge	High	Low	Est. vol	
	93.28	93.28	-	95.29	93.27	8689	100010
260	93.07	93.09	+0.01	93.11	<b>93.06</b>	19992	124879
Dec	92.97	92.92	+0.01	92.95	92.89	24281	107197
Mer	92,82	92.82		92.85	92.79	14619	88320
Jun	92.74	92.74	-	92.78	92.72	6751	48873
Also tracted o	n APT. All	Open inter	est figs. am	for previou	p, day.		
						100%	
= SHORT	STRUCK			2300,00	o pones o	PUTS -	
Strake	Jun		TS	)ec	Jun	Sep	Dec
Price	•				0.01	0.20	0.38
9325	0.04				0.22	0.42	0.50
9350	0	0.0		••	0.47	0.86	0.83
375	0	0					
Est. vol. total,	Calls 172	5 Puts 200	2. Previous	day's open	HAL, CAMP 7	acous rue	101010
		BASE	LEND	ING R	ATES		

BASE LENDING RATES											
Adam & Company 6.50 Albod Insh Bank (GB) 6.25 Getenry Arstractor 6.50 Bank of Berode 6.50 Bank of Cyptus 6.50 Bank of Iroland 6.50 Bank of Scotland 6.50 Bartoys Bank 6.50 Bartoys Bank 6.50 Bartoys Bank 6.50 Cyteland NA 0.50 Cyteland NA 0.50 Cyteland Bank 6.50	Duncan Lawrie 6.25 Easter Bank Lemited 7.50 Pinancial & Gen Benk 8.50 Pinancial Bank 8.5	Singer & Friedlander 63     Scottish Widows Bank 61     TSB									

	125.2	104.5	5.58			.441	1	0.72			.535
7.159 5.429	173.0 155.9	145.1 130.3	7.78			L511	1.387	0.89	111.3 8 100		.881 L791
1125	197.0	154.5	6.81			.893	1.574	1.13			1
a Um	rd Pests	ner 100.		_							
	PAIRS			RES (IA	AND YO	n 12.5	n per Y	en 100			
		Open	Lutte		W 1930	High		OW/	Est. voi	0~	n Int.
Jun		8905	0.90		.0100	0.905		1900	17,835		<b>9</b> 15
Sep	ō	19091	0.813	95 +0.	.0109	0.817	4 0.	012	29,178	45	138
Dec	a	9248	0.92	90 +0.	.0103	0.825	5 0.9	248	42	8	71
H 51	<b>TERLINK</b>	FUTU	RES (	MM) E	2,500	per £					•
Jun	- 1	8984	1,637	79 _0	9006	1,542	8 16	350	5.061	28	.988
Sep		6354	1.534	2 -0.	0008	1.638	B 1.E	320	7,398		,148
Dec	1.	6300	1.630	<b>x</b> 0 -0.	0014	1.630	0 1.8	300	5	1	15
EM	S EU	ROPE	AN	CUR	REN	CY	UNIT	RA	TES		
Jun 1		Ecu ca		Plate		mence		- trons		ead	Div.
		rate		prinst 6	au_ c	n day	cen	. rate	V West		Ind.
Irelan	rd .	0.79870	19 (	0,75292	5 -C	002444	ĭ	.73	8.8	1	39
Portu		197,30		198.23		-0.072		.42	21		-3
Spain		5.8542		5,8963		1.00587 -0.096		.55 .17	2.0 1.3		4
Italy		1906.4		1931.1		-7		.29	1.2		-3
Densi		7.345	55	7,4570	0 +	1.00343	1	.52	1.0	4	-10
	risods	2.1897		2.2033		+0.001		.54	1.0		-11
Germ		1.9257		1.9584		-0.0009 -0.0069		.70 .74	0.8		-17 -13
Austri		39.719		40.418		0.0197		.78	0.8		-19
France		6.4586		6.6248		100311		.57	0.0		-22
NON	ERM MI	PUREDO									
Greec		295.28		311.39	5	-0.447	5	48	-2.74		_
UK Ecu our		0.79310 ed by the		1.69757 in Compa	D+ 1	000072			16.6	2 <del>beryt</del> i	-
CONTRACT	y, and the	22 Switch	arabe	MINE NO.	ENT	Channe	يخلطحه بد	o by n	* THE	THE	
<b>=</b> PH		PHEA S	E £/1	OFTK	2 8HC	11,250		or pot	and)		
Strike				ALLS -		_	cents ;	per pot	ind) UTS		
Strike Price		Jun	— c	MITS .	A	10	Jun	— P	ind) UTS Jui	Au	
Strike Price 1.620		Jun 1.82	— c	ALLS - Jul 2.51	A. 2.5	10 26	Jun 0.04	- P	ind) PUTS Jul 1.75		 12
Strike Price 1.629 1.630 1.640		Jun 1.82 0.97 0.35	— c	ALLS - Jul 2.51 1.83 1.31	A. 2.5 2.4 1.1	10 16 13	Jun 0.04 0.19 0.53	per pot	Ind) UTS Jul 1.75 1.12 1.50	Au 1.4 1.3 2.3	12 14 15
Strike Price 1.629 1.630 1.640		Jun 1.82 0.97 0.35	— c	ALLS - Jul 2.51 1.83 1.31	A. 2.5 2.4 1.1	10 16 13	Jun 0.04 0.19 0.53	per pot	Ind) UTS Jul 1.75 1.12 1.50	Au 1.4 1.3 2.3	12 14 15
Strike Price 1.620 1.630 1.640 Previous	a day's v	Jun 1.82 0.97 0.35 ol, Cals	— C	ALLS - Jul 2.51 1.83 1.31 1.31	2.5 2.6 1.3 Park (	19 16 13 23 29 29/18 op	Jun 0.04 0.19 0.53 en int., 0	F ZS	Ind) UTS Jul 0.75 1.12 1.60 622 Puls	Au 1.4 1.3 2.3	12 14 15
Strike Price 1.620 1.630 1.640 Previous		Jun 1.82 0.97 0.35 ol, Cals	197 Pu	ALLS - Jul 2.51 1.83 1.31 1.2437	2.5 2.6 1.3 Park (	19 16 13 23 29 29/18 op	Jun 0.04 0.19 0.53 en int., 0	25 25 20 (5 p	und) PUTS Jul 0.75 1.12 1.50 622 Puts :	Au 1.4 1.3 2.3	12 14 15
Strike Price 1.620 1.630 1.640 Previous Strike	a day's v	Jun 1,82 0,97 0,35 ol, Cals	197 Pu	ALLS - Jul 2.51 1.83 1.31 ts 2,437 .	Au 2.5 2.6 1.3 Perc 0	100018 [	Jun 0.04 0.19 0.53 en int., 0	> por	Ind) UTS Jul 0.75 1.12 1.60 622 Puls	Au 1.4 1.3 2.3	12 34 35
Strike Price 1,620 1,630 1,640 Previou M PH Strike Price	a day's v	Jun 1.82 0.97 0.35 ol., Cals	197 Pu	ALLS - Jul 2.51 1.83 1.31 ts 2.437 . ALLS - Jul 2.4	2.5 2.6 1.3 Park (	100018 [	Jun 0.04 0.19 0.53 an int. 0	oer pot	Ind) UTS Jul 0.75 1.12 1.60 622 Puls Der OM	Au 1.4 1.5 2.5 25,624	12 34 35 35
Strike Price 1.620 1.630 1.640 Previous Strike	a day's v	Jun 1,82 0,97 0,35 ol, Cals	— C	ALLS - Jul 2.51 1.83 1.31 ts 2,437 .	Au 2.5 2.6 1.3 Perc 0	10 15 13 23 24/2 op 10015 (	Jun 0.04 0.19 0.53 on int. 0	00 S p	nd) PUTS Jul 1.75 1.12 1.50 622 Puts PUTS Jul	Au 1.8 2.3 29,824 Au 0.5 0.7	12 34 35 3
Strike Price 1.620 1.630 1.640 Previou Strike Price 0.575 0.580 0.585	a day's w	Jun 1.62 0.97 0.35 ol, Cals Jun 0.75 0.36 6.12	— C	ALLS - Jul 1.83 1.31 ts 2.437 . ALLS - Jul 1.13 0.81 0.55	Au 25 27 13 Perc 0	10005 [	Jun 0.04 0.15 0.04 0.04 0.04 0.04 0.15	00 (\$ p	nd) UTS 0.75 1.12 1.50 622 Puls UTS Jul 1.32 1.50 1.74	Au 1.5 2.5 29,524 Au 0.5 0.7 0.9	12 34 35 3
Strike Price 1.620 1.630 1.640 Previou Strike Price 0.575 0.580 0.685	a day's v	Jun 1.62 0.97 0.35 ol, Cals Jun 0.75 0.36 6.12	— C	ALLS - Jul 1.83 1.31 ts 2.437 . ALLS - Jul 1.13 0.81 0.55	Au 25 27 13 Perc 0	10005 [	Jun 0.04 0.15 0.04 0.04 0.04 0.04 0.15	00 (\$ p	nd) UTS 0.75 1.12 1.50 622 Puls UTS Jul 1.32 1.50 1.74	Au 1.5 2.5 29,524 Au 0.5 0.7 0.9	12 34 35 3
Strike Price 1.620 1.630 1.640 Previou Strice Price 0.575 0.580 0.585	a day's w	Jun 1.62 0.97 0.35 ol, Cals Jun 0.75 0.36 6.12	— C	ALLS - Jul 1.83 1.31 ts 2.437 . ALLS - Jul 1.13 0.81 0.55	Au 25 27 13 Perc 0	10005 [	Jun 0.04 0.15 0.04 0.04 0.04 0.04 0.15	00 (\$ p	nd) UTS 0.75 1.12 1.50 622 Puls UTS Jul 1.32 1.50 1.74	Au 1.5 2.5 29,524 Au 0.5 0.7 0.9	12 34 35 3
Strike Price 1,620 1,630 1,640 Previous Strice 0,575 0,580 0,586 Previous	a day's w	Jun 1.82 0.97 8.35 ol., Calls 1 Jun 0.75 9.36 6.12 ol., Calls 1	197 Pu	ALLS - Jul 2.51 1.83 1.31 1.31 1.2457 . ALLS - Jul 3.13 1.13 1.13 1.13 1.13 1.13 1.13 1.1	Au 2.5 2.6 1.3 Princ (	10 15 (3 23 24 24 24 24 24 24 24 24 24 24 24 24 24	Jun 0.04 0.15 0.04 0.15 0.04 0.15 0.39 n int. C	00 (S p	Jul 10.75	Au 1.5 2.5 29,524 Au 0.5 0.7 0.9	12 34 35 3
Strike Price 1.620 1.630 1.640 Previou  Free 0.575 0.586 Previou	a day's v	Jun 1.62 0.97 0.25 ol., Calls 1 0.75 0.36 6.12 ol., Calls 1	197 Pu	ALLS - JU 2.51 1.83 1.31 1.24 1.31 1.24 1.13 - JU 1.13 0.81 0.55 A. 613 .	Au 2.1 2.7 1.3 Princ ( 1.1 0.5 Princ d	100 (S (C ) (S ) (S ) (S ) (S ) (S ) (S ) (	Jun 0.04 0.15 0.04 0.15 0.04 0.15 0.39 n int. C	00 5 p	Jul 10.75	Au 1.8 2.5 2.5 2.5 0.5 0.7 0.9	12 34 34 38 33 33 33 33 34 35 35 35 35 35 35 35 35 35 35 35 35 35
Strice Price 1.620 1.630 1.640 Previou Strice Price 0.575 0.580 0.585 Previou	a day's w	Jun 1.82 0.97 0.55 ol., Calls 1 Jun 0.75 0.35 0.31 ol., Calls 1	197 Pul E D-E C	ALLS - JU 2.51 1.83 1.31 1.24 1.13 - JU 1.13 0.81 0.55 A. 613 . Character Ch	Au 2.1 2.7 1.3 Prev. d 1.1 0.5 Prev. d	10013 [ 13 23 25 25 25 25 25 25 25 25 25 25 25 25 25	Jun 0.04 0.19 0.53 on int. 0 0.04 0.15 0.39 on int. Co	00 5 p	July 1.75	Au 1.8 2.5 2.5 2.5 0.5 0.7 0.9	122 344 355 33 222 222 255
Strike Price 1.620 1.630 1.640 Previou Freviou Freviou O.575 0.580 0.585 Previou III Thi	a day's w	Jun 1.62 0.97 0.25 ol., Calls 1 0.75 0.36 6.12 ol., Calls 1	197 Pu	ALLS - 2,537	Au 2.1 2.7 1.3 Princ ( 1.1 0.5 Princ d	100 (S (C ) (S ) (S ) (S ) (S ) (S ) (S ) (	Jun 0.04 0.19 0.53 on int. 0 0.04 0.15 0.39 on int. Co	F F ( ( ( ( 1005) m)	and) PUTS	Au 1.4 1.1 2.2 239,626 0.5 0.7 0.9 373,312	19 12 2 34 35 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Strike Price 1.620 1.630 1.640 Previou Free Co. 575 0.580 0.585 Previou TH	at day's w	Jun 1.82 0.97 0.35 ot, Cols : 	O CO	ALLS - Jul 2.51 1.83 1.31 1.24 2.437 . Jul 3 - 2.437 . Jul 3 - 2.437 . Jul 3 - 2.437 . ALLS - 5.55 . AL 513	Au 255 2415 15 15 Perc d 1	100 165 (3 cm ) 100 185 (1 cm	0.04 0.19 0.53 on int. 0 0.462.5 Jun 0.04 0.15 0.39 on int. C	F F ( ( ( ( 1005) m)	and) PUTS	Au 1.4 1.1 2.2 239,626 0.5 0.7 0.9 373,312	19 12 2 34 35 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Strike Price 1.620 1.630 1.640 Previous FPRICE Price 0.575 0.580 0.585 Previous TUI Sep Dec	a day's w	Jun 1.82 0.95 ol., Calls Jun 0.75 0.35 6.12 ol., Calls 1.2 ol., Calls 1.3 0.4 1.1 0.7 1.3 1.2 0.4 1.2 0.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	— C D-1	ALLS - Jul 2.51 1.83 1.31 1.31 1.31 1.31 1.31 1.31 1.3	Au 25 27 27 27 27 27 27 27 27 27 27 27 27 27	10013 [ 133 23 25 25 25 25 25 25 25 25 25 25 25 25 25	Jun 0.04 0.19 0.53 an int. 0 0.04 Jun 0.04 Jun 0.05 Jun 0.04 0.15 0.39 an int. 0 0.04 94 94 93	F 1005 85 100 65 P 1 1005 W 1 19 100 23 1 1005 W 1 19 100 23 23 1 100 23 23 20 23 20 20 20 20 20 20 20 20 20 20 20 20 20	and) PUTS	Au 1.4 1.1 2.2 239,626 0.5 0.7 0.9 373,312	19 12 2 34 35 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Strike Price 1.620 1.630 1.640 Previous FPRICE Strike Price 0.575 0.580 0.585 Previous TIL	at day's w	Jun 1.82 0.95 ol., Calls Jun 0.75 0.35 6.12 ol., Calls 1.2 ol., Calls 1.3 0.4 1.1 0.7 1.3 1.2 0.4 1.2 0.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	— C D-1	ALLS - Jul 2.51 1.83 1.31 1.31 1.31 1.31 1.31 1.31 1.3	Au 25 27 27 27 27 27 27 27 27 27 27 27 27 27	10013 [ 133 23 25 25 25 25 25 25 25 25 25 25 25 25 25	Jun 0.04 0.19 0.53 an int. 0 0.04 Jun 0.04 Jun 0.05 Jun 0.04 0.15 0.39 an int. 0 0.04 94 94 93	F 1005 85 100 65 P 1 1005 W 1 19 100 23 1 1005 W 1 19 100 23 23 1 100 23 23 20 23 20 20 20 20 20 20 20 20 20 20 20 20 20	erd)  UTS Jul  1.12 1.50 622 Puls  667 CM5  UTS Jul  1.32 2.50 2.74 46Puls 37 467 655,984 75,915 80,929	Au 1.4 1.1 2.3 23,824 0.5 0.7 0.9 373, 372, 401,	12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Strike Price 1.620 1.630 1.640 Previous FPRICE Strike Price 0.575 0.580 0.585 Previous TIL	a day's w	Jun 1.82 0.95 ol., Calls 1 Jun 0.75 0.95 6.12 ol., Calls 1 Jun 4.19 4.02 3.81 4.19	197 Pu	ALLS - 251 1.83 2.51 1.83 1.131 8.2497 ALLS - 30 1.131 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5	AL 25 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	99 16 16 16 16 16 16 16 16 16 16 16 16 16	Jun 0.04 0.19 0.53 or inc. 0.04 0.25 Jun 0.05 0.15 0.1	P P ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	and) PUTS	Au 1.4 1.1 2.3 23,624 0.5 0.7 0.9 373, 373, 312, 401,	22 24 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36
Strike Price 1.620 1.630 1.630 Project Price 0.575 0.580 0.585 Previous III THI Jun Sep Dec III US	at day's w	Jun 1.82 0.97 0.35 ol, Cells 1 Jun 0.75 0.96 6.12 ol, Cells 1 ONTH E	197 Pul E D-1 G G 1,345P 1,345	ALLS - 1.83 1.31 1.31 1.31 1.31 1.31 1.31 1.31	Au 25 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10085 [ 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	Jun 0.04 0.19 0.53 or inc. 0.04 0.25 Jun 0.05 0.15 0.1	P P P P P P P P P P P P P P P P P P P	erd)  UTS Jul  1.12 1.50 622 Puls  667 CM5  UTS Jul  1.32 2.50 2.74 46Puls 37 467 655,984 75,915 80,929	Au 1.4 1.1 2.3 23,624 0.5 0.7 0.9 373, 373, 312, 401,	12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Strike Price 1.620 1.630 1.630 Project Price 0.575 0.585 0.585 Previous III THI Jun Sep Dec III Us.	a day's w	Jun 1.82 0.97 0.35 ol, Cells 1 Jun 0.75 0.96 6.12 ol, Cells 1 ONTH E	197 Pul E D-1 G G 1,345P 1,345	ALLS - 1.83 1.31 1.31 1.31 1.31 1.31 1.31 1.31	Au 25 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	99 16 16 16 16 16 16 16 16 16 16 16 16 16	Jun 0.04 0.19 0.53 or inc. 0.04 0.25 Jun 0.05 0.15 0.1	P P ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	and) PUTS	Au 1.4 1.1 2.3 23,624 0.5 0.7 0.9 373, 373, 312, 401,	22 24 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36
Strice Price 1.620 1.630 1.630 1.640 Previous Frevious G.575 0.585 Previous B TH Sep Dec B US Jun Sep Al Opp	a day's w	Jun 1.82 (0.97 0.35 ol., Calls 1 0.75 (0.96 1) 0.96 (0.12 ol., Calls 1 0.97 ol., Cal	297 Pul E D-E C C C C C C C C C C C C C C C C C C C	ALLS - JU 2.51 1.31 1.31 1.31 1.31 1.31 1.31 1.31 1	AL 25/2 25/2 25/2 25/2 25/2 25/2 25/2 25/	99 16 16 16 16 16 16 16 16 16 16 16 16 16	Jun 0.04 0.19 0.53 or int. C 0.19 0.19 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	F ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	and) PUTS	Au 1.4 1.1 2.3 23,624 0.5 0.7 0.9 373, 373, 312, 401,	22 24 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36
Strice Price 1.620 1.630 1.640 Preix FPH Strice 0.575 0.688 Previou II TH Jun Sep Dec III US Jun Sep AI Cpe III EII	a day's was a day'	Jun 1.82 (0.97 0.35 ol., Calls 1 0.75 (0.96 1) 0.96 (0.12 ol., Calls 1 0.97 ol., Cal	297 Pul E D-1 G G G G G G G G G G G G G G G G G G G	ALLS - July 2.51 1.25 1.25 1.25 1.21 1.21 1.21 1.21	AL 252 2.2 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.	99 16 16 16 16 16 16 16 16 16 16 16 16 16	Jun 0.04 0.19 0.53 or int. C 0.19 0.19 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15	F ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	and) PUTS	Au 1.4 1.1 2.3 23,624 0.5 0.7 0.9 373, 373, 312, 401,	22 24 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36
Strike Price 1.620 1.630 1.630 Protect Price 0.575 0.585 Previous B TH TH Sep Dec B US Strike B US Strike B US Strike	a day's wall and the second of	Jun 1.82 (0.97) (0.95) ol., Calls (0.75) (0.95) ol., Calls (0.75) (0.95) ol., Calls (0.75) (0.95) ol., Calls (0.75) ol.,	297 Pul E D-1 G G G G G G G G G G G G G G G G G G G	ALLS - JU 2.51 1.31 1.31 1.31 1.31 1.31 1.31 1.31 1	AL 252 2.2 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.	9 16 16 16 16 16 16 16 16 16 16 16 16 16	Jun 0.04 0.19 0.53 or let. 0 0.04 0.05 0.15 0.05 0.15 0.15 0.15 0.15 0.15	F ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	and) PUTS	Au 1.4 1.5 2.2 2.3 2.3 2.5 2.7 0.5 0.7 0.9 3.7 3.7 3.7 4.0 1, 5.0 1, 5 1, 5 1, 5 1, 5 1, 5 1, 5 1, 5 1,	22 24 34 35 36 36 36 36 36 36 36 36 36 36 36 36 36
Strike Price 1.820 1.820 1.830 1.630	a day's wall and the second of	Jun 1.82 0.97 0.35 ol, Cols 0.75 0.36 6.12 ol, Cols 1.75 0.97 0.12 ol, Cols 1.75 0.97 0.12 ol, Cols 1.75 0.97 0.15 0.16 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17	137 Pul E D-II G C C C C C C C C C C C C C C C C C C C	ALLS - 1.83 1.31 1.31 1.31 1.31 1.31 1.31 1.31	AL 2.9 2.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	99 100 15 10 10 10 10 10 10 10 10 10 10 10 10 10	Jun 0.04 0.19 0.53 on int. C 0.04 0.19 0.05 0.19 0.05 0.19 0.05 0.19 0.05 0.19 0.05 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19	F ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	and) PUTS	Au 1.4. 1.4. 1.4. 1.2. 2.25. 2	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

This announcement appears as a matter of record only.

We are pleased to announce our appointment as:

Depositary Bank by

# **Bradesco**

for their sponsored Level-1 American Depositary Receipt (ADR) Program

For further information, please contact: Citibank, São Paulo

José G. Monforte (5511) 576-1944 Victor Hugo Homrich (5511) 576-2030 Ricardo Kovacs (5511) 576-2150 Alexander Mainero (5511) 576-1888

### Citibank, New York

Robert Kingsley (212) 657-7800 António Pedro Rafael (212) 657-4149 William Treut (212) 657-7555

June 1997

**CITIBAN(©** 

# DMG gives up LME ring dealing

By Kenneth Gooding, Mining Correspondent

Deutsche Morgan Grenfell, part of the Deutsche Bank group, yesterday gave up its ring-dealing membership of the London Metal Exchange. reducing the number of ring dealers

to 15. This follows the departure from the ring of Lehman Brothers Commodities last November. But Mr David King, LME chief executive, insisted last night: "There is no flight from the LME."

change had nothing to do with the

diamond

initiative

in the world, is seeking to

to market rough-cut dia-

monds and belp set up a dia-

mond processing industry.

By Raymond Colitt In Caracas

Sumitomo scandal last June, when joined DMG in New York from Mor- broad range of activities and being the Japanese group sacked its chief copper trader, alleging he had run up losses of \$2.6bn by unauthorised

Since then, traders suggest, copper market business has fallen, but Mr King said last night that the LME's turnover so far this year was 12 per cent up on the same months of 1996.

He pointed out that DMG had switched to being an associate broker clearing member of the LME, that it remained committed to the base metals business but was Both he and DMG said yesterday's refocusing its efforts. Mr Charles von Arentschildt, who ment banks such as DMG had a parency of LME stocks.

redundant. Mr von Arentschildt said invest-

gan Stanley two months ago as an LME ring dealing member did not global head of commodities, said: fit well with this type of business. This was an economic decision. It • The daily reporting of LME stock details, started in April for a sixmonth trial, would become a perma nent feature, said Mr King, as it

"seems to be of benefit to users". From October 1. separate details would be given daily of stocks of formerly LME warranted metal held in exchange-approved facilities for which the warrants had been cancelled pending movement of the metal, he said, and other changes would be made to enhance the trans-

tonnes a day, and is forecast

ing capacity of 4,000 tonnes a

is the presence of gold, espe-

"The most important

day by the third quarter.

# Venezuela | Manila revamps mining regime

panies are queueing start up to operations in the Philippines, and the government is increasingly keen to make them feel welcome

Unattractive tax regimes and political uncertainty Ramat-Gan, the Israeli diamond exchange which is dogged the country during one of the largest of its kind the 1980s, the mining industry was closed to foreigners set up a bourse in Venezuela until 1995 and overseas groups were more recently unsettled by the government's reaction to a serious mining accident last year. But in the next three

Representatives of the Israeli exchange have completed a feasibility study to weeks, Mr Horacio Ramos, set up a diamond bourse in director of the government's the south-eastern city of mines and geosciences Cindad Bolivar. bureau (MGB) in Manila, expects to finalise details of "We are very optimistic and have received the full the fiscal regime to be support of the Venezuelan employed for foreign groups

authorities," said Mr Yosef entering the country. The government is now negotiating revenue-sharing Kemper, who heads the committee promoting the Venezuelan exchange. It would arrangements with mining be Latin America's first diacompanies and says it is looking at a total stake of mond exchange, he added. Official diamond output in about 50 per cent of net min-

Venezuela is only about ing revenue 300,000 carats a year, but The sector has lain more mining experts say the or less dormant for about majority of production is illegal and therefore not reging groups were worried by istered. However, the Cor- tougher environmental stanporación Venezolana de dards and fines introduced Guayana, the state indus- last December in the aftertrial and mining body, math of an accident at the expects to announce a ten-Marcopper mine in Marinduder for diamond mining que, in which millions of licences this year as part of cubic metres of tailings its efforts to attract large for- (waste) leaked into a river. eign mining investment. But in spite of these wor-



was to do with cutting costs and

He said DMG provided a 24-hour

providing a better service to clients."

service to clients and this meant

that either this service had to be

interrupted when staff left to take

part in the LME's twice-daily ring

dealing sessions, or there had to be

staff duplication. DMG will make an

as yet unspecified number of staff

Bulawan, the Philippines' largest gold mine:

ries, interest in the mining sector is considerable there are 126 mining licence applications sitting on Mr Ramos' dask, including many from foreign groups such as Western Mining, Newmont, TVI Pacific and Chase Minerals, which are applying for copper and gold or gold-only exploration permits.

In the aftermath of the fraud at Canadian mining company Bre-X's Busang deposit in Indonesia, the biggest in mining history, "major companies may now find the Philippines the logical place in which to invest and we're saying we'll welcome them," says Mr Ramos. "We have a mining law in place providing an attractive fiscal regime which we think is one of the best in the world."

cially in [the southern region of Mindanao," says Mr Jose Anievas, vicepresident of operations at Bulawan. Then you have the skills of Filipino miners. We have been mining in the country since the beginning of the

The Philippine archipelago

is ricb in metallic and non-

metallic mineral deposits.

"After South Africa, we are

number two in the world in

terms of gold endowment

and number of deposits per

unit area," says Mr Rolando Peña, president of the Geo-

logical Society of the Philip-

ment to the country's high

potential is Philex Gold, a

subsidiary of the local Philex

mining group, which oper-

ates the Bulawan gold mine

in the western province of

commercial operations, it

became the country's largest

total primary gold recovered.

This year it is aiming for

output of 165,000 ounces,

In 1996, its first year of

Negros Occidental.

One group which is testa-

pines,

ernment. Events at Bre-X have left. some question marks hanging over the Philippines. Like many mining companies in the region, Bre-X employed a team of Filipino geologists, whose association with the debacle bas cast doubt on the integrity of the

local workforce.

before, we have a stable gov-

The Bre-X fiasco also dealt blow to small mining companies, which rely on keeping their share prices moving to raise capital, But Mr Ramos argues this loss will be compensated for by the big mining companies queneing up for the chance to begin exploring. After a gold mine with production of long time in the wilderness, 90,000 ounces, 15 per cent of the Philippines is set for the world's latest gold-rush.

Justin Marozzi 60kg bags

# Copper price at highest for a year

MARKETS REPORT

By Kenneth Gooding and Maggie Urry

Copper's price jumped to the highest level for a year yesterday but coffee went cold. Both markets were heavily influenced by chart watching technical traders.

Copper for delivery in three months on the LME closed at \$2,561 a tonne, up \$47 or nearly 2 per cent from Tuesday's close, after reaching \$2,570. Mr William Adams, analyst at Rudolf Wolff, suggested the next To prepare for this expan-sion, it has increased initial leaching capacity from 2,200 technical resistance on the charts would be at \$2,590.

The premium for copper for immediate delivery compared with three-month attraction of the Philippines metal widened to \$102.50 a tonne. Analysts said this reflected genuine tightness of supply. Mr Robin Bhar at Brandeis (Brokers) said a "confluence of supply interruptions" had given fundanental support to the price. "You might not want to buy copper at these prices but yon certainly don't want to be short." he added.

century. Finally, unlike Coffee traders continued Tuesday's sell-off, with prices on Liffe down \$145 to \$1,680 a tonne for the July robusta contract. In New York the market opened weak, although some shortcovering stabilised prices around midday.

Traders said the price fell through chart support levels at 210 cents a pound, down from the 217.95 close on Tuesday, for July arabica, although some buying appeared at 207 cents.

Reports from South America were mixed, with the Brazilian National Coffee Council saying stocks held by co-operatives were at an all-time low, while in Colombia, the National Coffee Growers' Federation said May production had risen 12 per cent to 836,000 COMMODITIES NEWS DIGEST

# Jamaican bauxite refiners to merge

S. D.

Two Jamaican bauxite refiners, Alumina Partners and Jamaico, are merging their mining operations to reduce costs and improve efficiency. The companies said the agreement would be concluded by the end of the year, and joint mining would begin in January.

Alumina Partners, owned by Kaiser Aluminum of the US and Nydro Aluminum of Norway, is Jamaica's largest refiner, with annual alumina production of 1.45m tonnes. Jamalco is owned by the Aluminum Company of America and the Jamaican government, and produces 850,000 tonnes a year. "This will allow the companies and the industry to benefit from economies of scale," said Mr Parris Lyew-Ayee, managing director of the Jamaica Bauxite Institute.

The merger of mining operations is part of a wider effort by the government and refiners to cut costs in the Jamaican industry. Refiners bave previously complained that production costs in Jamaica, the world's third largest bauxite producer after Australia and Guinca, are comparatively high. About \$500m is being spent by refiners over the next four years to expand capacity and

cut operating costs. The island's hauxite ore production this year is forecast by the Jamaica Bauxite Institute at 12m tonnes, following last year'a 11.7m tonnes. Production reached 2.98m tonnes in the first quarter of this year, 1.7 per cent more than a year earlier. Alumina production was up 2.4 per cent to 816.991 tonnes.

Uranium plan challenged

A bid by Energy Resources of Australia, part of the North mining group, to develop a uranium mine in the Northern Territory faces a potential legal problem after a claim was filed in the Sydney courts yesterday by one of the traditional owners of Jabiluka lands. The application by

Ms Yvonne Margarula, a member of the Mirrar community, attempts to prevent the authorities giving approval to the export of uranium from mining on the Jabiluka land, and seeks a declaration that the Australian Commonwealth is the owner of the uranium and bas not granted a valid interest to any other party.

However, ERA, which is not named in the claim Itself, said it believed the grant of a lease on the Jabiluka area in 1982 remained valid. It claimed yesterday that other traditional owners in the region had indicated support for Nikki Toit, Sudney

### Progress for steel project

The ambitious A\$1.4bn "Mid-West Iron and Steel" project, which is being proposed by Taiwan's An Feng Steel and the Australian Kingstream Resources group, took a further step forward yesterday when the partners pamed Epic Energy as the successful bidder for a 15-year contract to transport gas from the North-West Shelf to the project's planned steel-manufacturing plant near

Geraldton, in Western Australia. Epic, which is 60 per cent-owned by El Paso Energy and CNG International of the US, will use an existing pipeline. under an agreement with the state-owned AlintaGas utility, but also underwrite an A\$300m (US\$229m)

Nikki Tait

3.6

#### COMMODITIES PRICES

BASE METALS LONDON METAL EXCHANGE (Prices from Amelgamated Metal Trading)

E VITAMINATIM' 8	RY PURITY (S	ber formel
	Cash	3 mths
Close	1606.5-7.5	1625-26
Previous	1587.5-8.5	1608-9
High/low		1629/1620
AM Official	1602-03	1620-21
Kerb close		1622-23
Open Int.	260,095	
Total daily turnover	95,827	
ALUMINIUM AL	JLOY (\$ per to	nne)
Close	1460-55	1486-90
Pravious	1450-55	1470-80
High/low		1489/1482
AM Official	1458-59	1482-84
Kerb close		1486-90
Open Int.	5,372	
Total daily turnover	537	
■ LEAD (\$ per ton	ne)	
Close	632-33	640.50-1.50
Previous	628.5-9.5	641-2
High/low		642/637
AM Official	629-30	639-40
Kerb close		638-39
Open int.	34,801	
Total daily turnover	8,480	
MICKEL (S per b	onne)	
Close	7190-200	7300-10
Previous	7180-90	7290-300
High/low		7400/7250
AM Official	7210-15	7315-20
Kerb close		7250-60
Open Int.	53,484	
Total daily turnover	12.354	
TIN (\$ per tonno	<u> </u>	
Close	5565-95	5610-20
Previous	5630-40	5670-75
Higtylow		5650/5590
AM Official	5571-72	5605-0B
Karb close		5600-10
Open int.	16,343	
Total daily turnover	7,542	
ZINC, special hi		er tormel
Close	1347.5-48.5	1371.5-72.0
Previous	1338-39	1362-63
High/low AM Official	1342.5	1373/1366
AM Uniciar Kerb close	1342-42.5	1366-66.5 1368-69
Open int.	95.505	1308-09
Total daily turnover	20,020	
COPPER, grade	-	e)
Close Previous	2872-75 2586.5-9,5	2566-67 2508.5-9.5
High/low	2642	2570/2530
AM Official	2641-42	2541-41.5
Kerb close		2559-80
Open int.	139,567	
Total daily turnover	66,583	
II LIME AM Officia		
LME Closing CA	Suppler 1 642	0307
LIME Clouding £/	S rate: 1.6433	

Spot: 1,6370 3 miles: 1,6336 6 miles: 1,6259 9 miles: 1,6266 HIGH GRADE COPPER (COMEX

	Sett	Day's				Open	- GA	SULF	= 13
		change	High	Low	Vel	int		Sett	
Jun		+1.85			718			price	char
.10	121.50	+1.70	21.96	119.70	9,636	33,665	June	162.25	+0.
/mg		+1,90 1			201	2.594	44	163.75	+1.
Sep	118,10	+1.60 1	18.00	116.00	1,953	7,292	Ang	165.25	+0.
Oct	115.70	+1.00	-	_	11	1.147	Sep	187.00	+0.
Hoy	113,75	+1,70	-	_	19	1.234	Oat	169,75	+0.
Total					12,919	59,500	Nov	171,50	+0.
PRE	CIO	IIQ A	AF	TALC	•		Total		
E LON							E NA	TURAL	GAS
(Prices								Letest	- T-
111100	оцья		IM II	OU BCT N	데			hujes remer	
Gold(Tr	oy oz)	\$ pri	æ	upe 3	V SFr	equiv		-	
Close		343.80-3				•	أعل	2,105	
Opening	3	343.30-3	43.60				Aug	2.140	
Мотниц	fix	343.	70	209.89	3 49	2.868	Sep	2,140	
Afternoo	n fix	343.	BQ	210.05	7 493	3.697	Oct	2.150	
Day's H							Moy	2.265	
Day's L		344,30-3					Dec	2.425	-0.0
Previous	close	343.80-3	44.30				Total		
Loco Li	in Me	o Gold	Lend	ing Ra	tes (V:	USS		LEADET EX (42.00	

3 months 477,00 3 months Gold Coins

Krugerrand Maple Leaf

482.25 488.05 499.85 299.45 307.95 £ equiv. 210-211 49-51

Precious Metals continued GRAINS AND OIL SEEDS ■ GOLD COMEX (100 Troy oz.; \$/troy oz.) Sett. Day's Open price change High Inst Vol Int. 340.6 -0.1 344.1 343.2 25 450 Jet 346.0 -0.1 346.5 345.5 8,380 72,168 Sep 348.5 -0.1 349.2 348.2 48 7,577 New 351.1 -351.6 290.2 331.28,545 - 353.1 353.1 131 9,613 356.0 433 4,285 9,345 100,675 PLATINUM NYMEX (50 Troy oz.; \$/troy oz.)

+4.9 448.8 432.9 2.956 12.898 +4.9 421.5 406.5 1.267 5.834 +2.9 411.2 404.0 77 1.314 +2.9 - 2 22 4,390 20,088 PALLADRUM NYMEX (100 Troy oz.; \$/troy oz.) 

**ENERGY** 19.55 +0.35 19.58 19.14 8,403 36,644 19.70 +0.32 19.70 18.27 4,071 22,339 19.84 +0.24 19.85 19.67 3,637 37,677

III HEATING OIL IMMEX (42,000 US gale; C/US gale) 52,45 +0.00 52,65 51,40 12,358 36,537 53.20 52.15 5,358 23,303 54.00 +0.71 54.00 53.15 4.204 12.648 54.90 +0.71 54.90 54.15 3.031 11.896 55.70 +0.61 56.75 55.05 1,472 10,447 56.60 +0.86 56.80 55.80 1,377 16,038 30.520 138.175

1.75 162.25 160.75 8.232 9.582 0.50 165.50 164.25 1,729 9,513 1.50 167.50 166.25 676 6,388 1.50 169.75 166.75 925 6,014 1.50 171.75 171.00 156 2,779 LS HYMEX (10,000 mmBhr; \$/mmBhr) 017 2.155 2.100 16,717 31,009 15 2.175 2.130 7.150 26.178

05 2.185 2.130 1.814 18.378

2.175 2.140 1,214 20,387

460 0,281

017 2.445 2.425 890 12,118 30,462 186,340

57.60 +1.20 57.70 56.00 15,963 38,407 57.20 +0.98 57.30 55.85 7,205 18,848 56.80 +1.00 56.00 56.05 2,529 6,287 55.80 +1.10 55.00 56.35 278 3,782 55.40 +1.10 55.55 55.40 128 2,022 +1.20 55.25 55.15 591 4,639

20 2.305 2.280

■ WHEAT LIFFE (100 tonnes; & per tonne)

83.45 -0.55 83.75 83.25 43 1,024 88.60 -0.15 - 186 90.60 -0.15 91.05 90.60 130 3,596 92.60 -0.15 92.85 92.50 94.60 -0.15 94.85 94.50 96.60 -0.15 96.60 96.50 830 880 40 17 ■ WHEAT CET (5,000bu mix; cents/60tb bushel) Jul 364.50 +1.50 367.00 361.00 14,340 40,997 Sep 374.00 - 375.00 389.50 7,247 21,595 Dec 385.75 +1.50 386.50 381.50 3,187 18,150 May 379.00 +1.00 382.00 385.00 85 2,293 Jul 389.00 - 389.00 378.00 131 211 Jul 389.00 -1.00 389.00 389.00 43 711 Total 25,633 83,986 MAIZE C81' (5,000 bu min; cents/56b bushet) 272.50 +0.75 274.00 270.50 32,291 99,322 258.25 +0.25 260.75 257.25 4,946 36,772 255.50 - 257.00 254.00 19,268115,592 262.00 +0.25 263.25 280.75 526 13,562 268.00 - 267.00 265.00 269,75 +0.25 270,75 268.25 102 3,618 58,367 273,996 ■ BARLEY LIFFE (100 tonnes; £ per tonne) Sop Nov Jan Har Hay Total 84.25 -1.25 - -87.25 -0.75 87.40 87.40 88.25 -0.85 89.50 89.50 81.00 -0.85 - -1,135 173 19 3 92.50 -1.00 SOYABEANS CST (5,000bs mix; centa/60b bushet) 830.50 +17.50 832.00 811.00 31.528 82.265 782.00 +12.75 783.50 768.00 7.841 25,004 711.75 +6.25 712.50 705.00 1.562 9.676 673.00 +6.00 673.50 667.00 18.302 52.584 674.75 +4.75 675.50 670.00 468 7.357 678.50 +5.00 678.50 675.50 122 1.863 80.141 161,858 SOYABEAN OIL CBT (60,000tbs: cents/lb) 23.17 +0.22 23.25 23.00 8,020 41,169 23.36 +0.10 23.45 23.10 3,867 19,925 23.54 +0.16 23.70 23.45 694 0,462 23.70 +0.10 23.75 23.53 726 11,666 23.89 +0.10 23.97 23.75 5,298 21,313 23.89 +0.10 23.97 23.95 25 1,523 24.01 +0.13 24.15 23.95 25 1,523 18,667 105,377 SOYABEAN MEAL COT (100 tons; \$/ton) 
 274.1
 +7.4
 274.0
 284.8
 12,059
 37,132

 254.9
 +5.2
 255.0
 246.0
 4,904
 18,578

 256.7
 +4.2
 227.5
 282.0
 3,339
 12,389

 255.5
 +3.3
 225.2
 221.2
 1,388
 12,348

 217.2
 +2.7
 217.5
 215.0
 6,503
 25,195

 214.5
 +2.7
 214.5
 212.7
 298
 2,588

 28,076
 112,383
 23.00
 23.00
 23.00
 23.00
 POTATOES LIFFE (20 tonnes; £ per tonne) 45.0 90.0 66.7 -6.3 88.5 85.0 175 778 FREIGHT (BIFFE) LIFFE (\$10/Index point)

Close Pres 1257 12 **FUTURES DATA** 

+5 12/5 1260 -5 1195 1180 - 1205 1180 -3 1350 1344

134 2,736

Nuts and seeds
Prices from Kanido; USS a tonne, Iraniam
pistachios 28/30 raw (in shell) neturally
opened (round): RPPC prices at 4,450
CFR/FCA Firm with stow seles 28/28 sold
out. Walmuts: US jumbo inshell 2,300 CPT
Europe duty paid; Turkfsh bazzemuts starnderf Mol. 1. penous erger bles 4,900 CSS dard No 1: nervous, price idea 4,900 CFR, new crop at 4,250 CFR. Turkish and iranium suffances 1 spn (250 acc). new crop at 4,250 CFR. Turidish and ira-nium suffance: 1,300 CFR MEP, firm with few goods. Iranian industrial apricots: 1,800 CFR, MEP firm. Indian-cashewe: raw crop 1987 CFR Europe, W320 at 5,850. W240 at 6,050. US almonds: crop 1996 23/25 SSR at 5,900 FAS steady; crop 1997 23/35 SSR 4,000 FAS market stable in contral Min chronous effor INC constraint in general. No changes after INC congress. Coceaut: CFR 1,100 from top Philippine

SOFTS ■ COCOA LIFFE (10 tormes; £/tonne)

+12 1025 1005 1219 20,357 +14 1046 1025 1,807 25,279 +11 1042 1025 47,3 30,283 +11 1050 1038 2,295 31,940 +11 1060 1049 364 16,940 +11 1070 1070 70 5,295 6,084 148,472 Sep Dec 1051 1061 1072 COCOA CSCE (10 tonnes; S/tonnes) +36 1472 1426 3.869 14,597 +37 1510 1489 2,757 21,555 +34 1549 1510 786 20,011 +30 1577 1540 390 22,393 +30 1575 +30 -1557 45 8,597 COCOA (ICCO) (SDR's/tonne) Jun 10 Price COFFEE LIFFE (5 tornes; \$/tonne) 1710 -110 1740 1666 3,020 14,877

1740 -110 1775 1895 4,610 21,846 1755 -108 1790 1715 1,523 8,657 1740 -110 1750 1702 592 2,882 1730 -116 1750 1710 48 543 1730 -110 - 200 COFFEE 'C' CSCE (37,500bs; cents/bs) 207.65 -10.30 224.00 206.00 6,126 6,802 190.10 -6.65 199.50 187.50 5,776 B,408 171.45 -3.80 175.25 164.25 905 47.00 157.50 -4.25 163.05 152.75 194 2.225 151.60 -6.75 160.00 154.00 14 537 146.50 -4.25 170.00 161.05 1 137 13,020 22,841 ■ COFFEE (ICO) (US cents/pound) 187.81

WHITE SUGAR LIFFE (50 tonnes; \$/tonne) 20.3 -47 3242 319.7 3,991 14,939 514.7 -2.0 316.5 314.2 783 7,714 313.2 -0.9 314.0 312.5 251 3,967 312.1 -0.9 313.0 312.5 263 2,579 312.5 -0.5 313.0 313.0 181 782 311.9 -0.2 313.0 313.0 50 648 SUGAR "11" CSCE (112,000/bs; cents/lbs) 11.25 -0.11 11.37 11.2213.016 75,212 11.15 -0.10 11.22 11.00 9,384 69,026 11.06 -0.06 11.10 11.02 1,788 30,413 10.97 -0.06 11.00 10.95 368 6,823 10.90 -0.00 10.93 10.90 56 3,249 10.80 -0.05 10.78 10.78 54 933 24,622 186,251 COTTON NYCE (50,000ths; cents/lbs)

73.84 +1.12 73.70 72.80 5.585 28.189 75.55 +1.10 75.70 74.80 731 6.842 76.15 +1.15 76.20 75.25 3,230 30,337 77.20 +1.10 77.20 76.50 797 5.344 77.75 +1.02 77.75 77.10 26 1.155 77.88 +0.93 77.40 77.25 50 566 ■ ORANGE JUICE NYCE (15,000lbs: cents/lbs) 79.00 +2.20 79.00 76.40 1,319 16.362 81.50 +2.05 81.55 79.25 503 9.313 82.75 +1.90 83.75 81.80 307 4.166 86.15 +1.80 86.15 84.80 62 1,739 88.65 +1.60 87.00 87.30 23 91.15 +1.15 90.50 90.35 24 2,238 33,137

Open interest and Volume date shown for contracts traded on COMEX, NYMEX, CBT, NYCE, CME, CSCE and IPE Crude Oil are one day in arrears. Volume & Open Interest totals are for all traded months. NDICES

■ CR2 Futures (Base: 1987 = 100) Jun 10 Jun 9 month age 244.63 246.81 ■ GSCI Spot (Base: 1970 = 100) Jun 9 month ago year ago 246.81 Jun 9 month ago 186.80 200.02 **Jun 10** 185.81 Copper Lead 127,529 MEAT AND LIVESTOCK ■ LIVE CATTLE CME (40,000lbs; cents/be)

Selt Bay's Price change High Low 64.575 +0.55 84.600 83.950 2,783 9,828 63.825 +0.3 64.000 63.45012,357 45,115 67.375 -0.05 67.500 67.225 3,485 23,122 69.800 +0.075 89.950 68.600 1,082 11,296 70.575 -0.15 70.800 70.525 698 72.375 +0.05 72.500 72.275 325 Jun 81.600 +1.125 81.675 80.700 1,693 4,894 60.825 ±0.375 61.225 60.750 4.274 78.700 ±0.15 79.225 78.650 2.003 71.325 ±0.4 71.650 71.150 644 87.225 ±0.2 67.600 87.150 361 PORK BELLIES CME (40,000lbs; certs/lbs) 
 Jul
 81.800
 -0.9
 82.750
 81.600
 1,914
 4,774

 Ang
 82.175-0.725
 62.850
 81.700
 929
 2,672

 Feb
 74.425
 -0.85
 74.950
 74.000
 73
 450

LONDON TRADED OPTIONS Strike price \$ tonne -- Colle --- Puts --

(99.7%) LME 1575 E COPPER COFFEE LIFFE COCOA LIFFE اسال LONDON SPOT MARKETS

\$17,37-7,40 +0.090 OIL PRODUCTS NWE ground delivery CF (topne) Heavy Fuel Oil Naphtha S82-84 \$182-164 Jet fuel \$169-171 MATURAL GAS (Pence/therm)

10.00-10.10 London (0171) 369 8792 10.000 I OTHER Gold (per troy oz) \$
Silver (per troy oz) \$
Platinum (per troy oz.)
Palladium (per troy oz.) \$344.05 478.00c

\$458.00 \$218,00

122.0c Lead (US prod.) 45.00c Tiri (Kuala Lumpur) 14,08r 262.5 Ten (New York) Cattle (live weight) Sheep (live weight) Pigs (live weight) 110.90p Lon. day sugar (raw) Lon. day sugar (wte) \$278.30 \$328.00 Reuters (Base: 18/9/31 = 100) Jun 11 Jun 10 month ago year ago 1988.5 2015.8 1891.3 2095.1 Bartey (Eng. feed) Maize (US No3 Yellow) Wheat (US Dark North) Una Ursq Rubber (Jul)♥ Rubber (Aug)(# Rubber (KL RSS No1) 645.Dy 535.0w Coconut Oil (Phil)§ Palm Oil (Malay.)§
Copra (Phil)§
Soyabeans (US)
Cotton Outlook'A' index

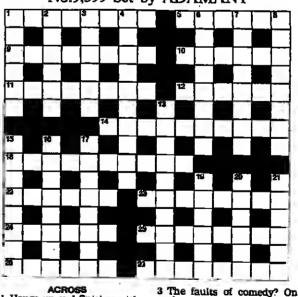
\$410.0y 205.0 80.65c Woottops (64s Super) 435p

JOTTER PAD

enhancement of the pipeline system.

**CROSSWORD** 

No.9,399 Set by ADAMANT



1 Hangs up and finishes with poor puss for a start (8) Hostelry licensed (other needs ignored) to be open

to everyone (6)
9 Could MP agree a change in the units of currency? 10 A college man is a handsome youth (6)

Someone leaving the country for example about motorway rage (8) Fish wars disrupted Spain and Europe primarily (6) 14 What comes out of a staged performance? (10)

Numbers of casts sit it out 22 Meaning to bring the goods in (6) Caught on the hop, moved

involuntarily to catch last ball (8) 24 Hope to reach a high point 25 No politician allowed in the

church when it is full (8) 26 Gross price art hysteria bas taken over partly (6) 27 A cry for help - include the finest protective material

1 Divided a particle outside 2 Affected by bacteria caught on the first of the month

3

the contrary (6) 4 In time, turn initially emerald green and get worse 6 Make too little of the part

that is subject to law (8) 7 A fall of rock comes to earth on the rim (8) 6 Water tanks back in Jersey and Sark (8) 13 Cantioned about Society for

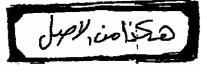
Teaching Methods (10) 15 Guess that I'm in property 16 Get bigger FT on specially coated sheets (3.5)

17 Chief priest put her chair the wrong way round (8) 19 Threefold peal of bells (6) 20 The customer left one in a bundred (6)

21 A foreign god's parting words (6) Solution 9,398

SOUTION 9,558

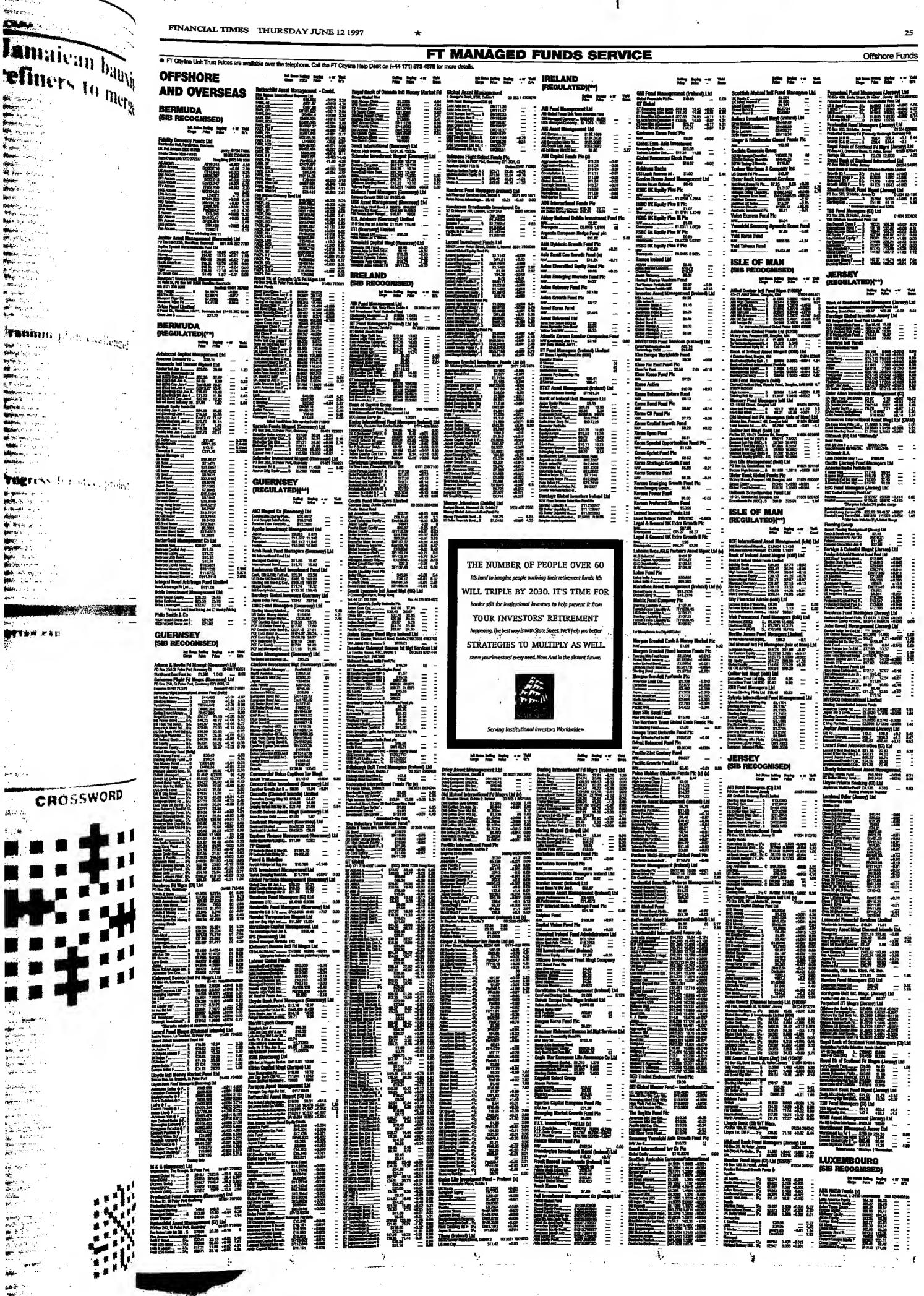
GENDER MATTRESS,
I E V H T I R A
GUAZHER BAMPANT
A R L A O R T E
NEST STEPASHORE
I I O G I W I
LMORES IMPIDEL
C M R F E T R B
STABBED SCREAM
U M A P M C A
MEANSTREAK STHE
U M B H U T G T
ANODHSE GONDOME
U M B S H U D G
TRIAVERSE ARSENY

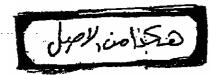


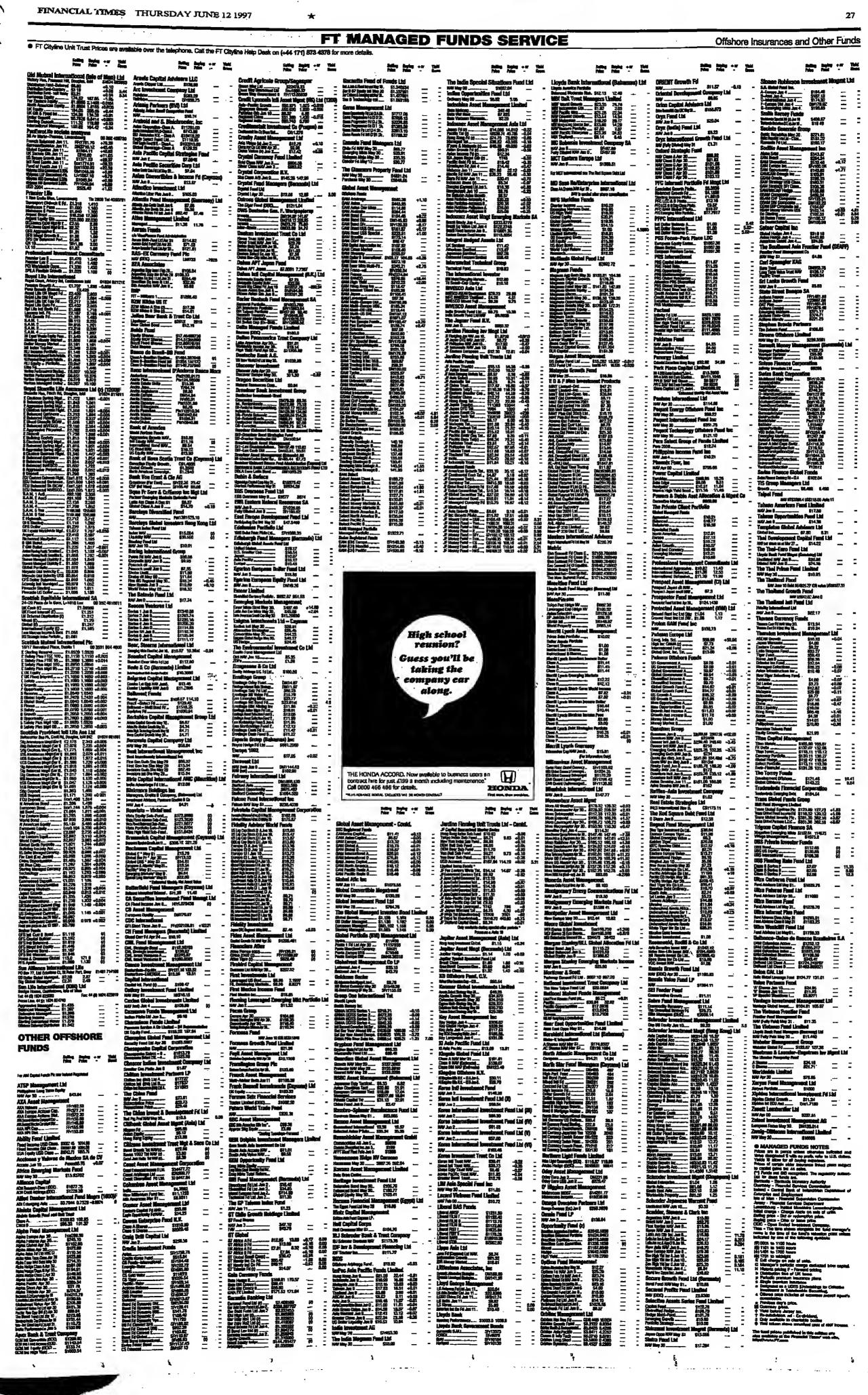
Frankrite plant and league

tra-THE PARTY NAMED IN

era de la companya de







...

The Financial Times plans to publish a Survey on

Lebanon

on Tuesday, September 9

For further information, please contact:

Tel: +44 171 873 3753 Fax: +44 171 873 3595

or your usual Financial Times representative

では、「日本の

SACHER STATE OF THE STATE OF TH

## Agreet Labo Amer. 44

## 21

## Agreet Labo Amer. 44

## 22

## Agreet Labo Amer. 44

## Agreet Labo Amer. 44

## Agreet Labo Amer. 45

## Agre

52 week likt high law Caption 221-2 134 8,714 775-2 55 1,000 100-2 84-2 85.8

を受けている。 のは、100円では、10 14年,第45年4年14年5年,1385年,1384年,李建一年,1884年, 第一年第四日 1885年 1888年 1

AS 125525331 

1年17年18日 17日日日 

THE STATE OF THE PROPERTY OF T

DIVERSIFIED INDUSTRIALS 

ERGREERING - Cost.

HEALTH CARE

Tel:

NOUSTRIES

HOUSEHOLD GOODS

HOUSEHOLD GO

では、100mmので Record asset assets

THE PARTY OF THE P | Color | Colo 

一年二二四天第一十二二天 CANADIANS The one to watch.

When you is not all you had properly to the 
# Footsie backs off after hitting record high

MARKET REPORT

By Steve Thompson, UK Stock Market Editor

An initial burst of enthusiasm. which drove the FTSE 100 index responding to news of the bid to a record intra-day high. quickly ran out of steam yesterday leaving leading stocks lower on the session.

Outside the top 100 stocks, however, the market was in good shape. Its underlying strength was demonstrated by the good performance of the FTSE 250. which finished the day 9.6 higher

The smaller stocks also looked

index ended 1.7 firmer at 2,281.1. came in the wake of the sharp rise in the shares of Energy Group, demerged earlier this year from Hanson. Enargy was

US, released after Tuesday's close. Dealers said the market had also been driven higher by widespread talk of another bid. The financial sector, heavily bought in recent months as the demutualisation bandwagon

approach from Pacificorp of the

began to roll, was seen as the most likely to provide a takeover. record 4,759.3 only minutes after light to the market as a whole." the official opening, but subse-

at 4,724.8.

Turnover at 6pm was 872m shares, respectable by recent new Labour government. standards, but dealers insisted that overall commission business remained in the doldrums.

The head trader at one big European securities house said London had obviously got wind of the Energy Group bid the previous day: "That was the driving force; now, the market feels slightly twitchy. We had hoped the bid would have come in the Footsie was driven op to a banks, which would have set

The market's early strength of 4,730.9 in mid-afternoon, before Energy Group bid would inject steadying and closing 14.8 lower more cash into the market, it was by no means certain the takeover would be waved through by the

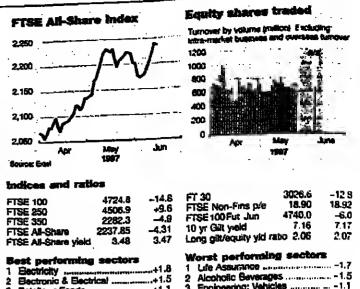
> Wall Street's overnight surge to a record close on the Dow Jones Industrial Average had helped London at the start yesterday. However, Wall Street might drive the two leading UK lacked impetus yesterday afternoon, with an early double-figure into each other's arms. gain in the Dow almost eradicated after London closed.

The day's economic news. showing a smaller-than-expected forecasts are too high. Dealers fall in unemployment and average earnings and unit wage costs Other marketmakers also took in line with market forecasts, had rights issue-funded acquisition.

quently fell away to a session low the view that, although the minimal impact on gilts, which of 4,730.9 in mid-afternoon, before Energy Group bid would inject finished modestly easier. Ootside the utilities. which

made rapid progress on the Energy Group story, the stocks that caught the eye included British Aerospace and GEC, which made further rapid progress as the market continued to warm to the idea that events in France engineering/aerospace groups

National Westminster reacted predictably to reports that the bank had indicated that current also fretted about rumours the hank might be forced into an



Open Sett price Change High

FISE 250 INDEX FUTURES (LIFFE) \$10 per full index point

4505.0 4505.0 +17.0 4505.0 4505.0 4557.0 +17.0

# FTSE 100 INDEX OPTION (LIFFE) (14721 ) \$10 per full index point

4758.0 4740.0 -6.0 4789.0 4772.5 -5.5 4835.0 4825.0 -5.0

Leisure & Hotels .....

4764.0 4720.0 15597 4792.0 4755.0 5314 4835.0 4835.0 40

V32

# **BAe/GEC** stories persist

By Martin Brice and Joel Kibazo

The future of the defence industry was on traders' minds as GEC shares rose 7 to 3601/sp. in volume of 18m. which made it the second most heavily traded Footsie

While there have been nositive hrokers' notes, notably from Lehman Brothers, on the company in recent days. sentiment was stirred by reports of a visit yesterday by analysts to BAe.

The consolidation of the European defence industry is expected to include some sort of merger between BAe and GEC as the newlyelected, left wing French vous about the sector. government is likely to stop the sale of Thomson-CSF.

BAe shares also reacted positively, rising 151/2 to £13.65%. Earlier this week NatWest Securities said the the shine off Energy Group. shares had a strategic value which rose sharply in early

GEC shares have fallen late announcement that the from 412%p in January. Ana- group is in takeover talks lysts said GEC had other options to expand its defence technology to expand its US 696p a share. exposure, and has a memorandum of understanding the UK coal and electricity

Union

rose 12% to 682%p, while the premium to Tuesday's clos-22% rise to 100p at Chemring ing price of 580p. Group was powered by the chairman, Mr Ken Scohie, amid talk of brokey upgrades. A year ago the

#### Argos weak

shares were at 450p.

The recent nervousness of investors towards retail stocks was highlighted by the strong reaction of shares in Argos to a downgrade hy ABN Amro Hoare Govett of its profits forecast.

Hoare edged its 1997 forecast down £4m to £153m. The shares fell 201/2 to 575p.

Argos has issued two profit warnings within the past five months but there appears to have been no new information from the company recently.

An analyst at another house said while some retail stocks had performed well recently, investors were ner-

"Now they're nervous before the Budget, but earlier they were nervous before the election." he said. Regulatory concerns took trading following Tuesday's

with US utility PacifiCorp. At the day's peak, the business: it is said to be shares were trading at 665p, talking to Lockheed Martin against take-out expectaof the US on the pooling of tions for the group of around

That price emerged after with Alenia Difesa of Italy. group's statement the previ-The positive sentiment ous day indicated any offer spread to Cohham, which would be at a 20 per cent

649

3030

Freefane 0800 321 321

Tel: +44 (8)171 842 4082 for room India

FUTURES PAGER

80 88 88 0080

-TAX FREE

01718960011

0800-262-472 (IEE) Germany: 0830-8183(III) France: 0830-98 83 43 Switzerland: 08 00 55 83 33 Kar: 0171-256-2445

LIFE-WALDOCK & COMPA

& FOREX BERKELEY FUTURES LIMITED

**FUTURES & OPTIONS** 

24 HOURS

Market-Eye Real-line equities, follows, cotic to

**UNION TAX-SHOP LTD** 

For all your tax and self- assessment needs

Tax Returns from £60

TEL: 0345 585573 / FAX: 0345 573376

DATASTREAM/ICV

BRIDGE-CRB

FUTURES DATAKIT from \$420 p.a.

REUTERS

ftse - 24 HRS

( INDEX

Low Rates.

mini

38 DOVER STREET, LONDON WIX 3RI

MARGINED FOREIGN EXCHANGE 0171

TEL 0171 629 1133 FAX: 0171 495 0022

Worries about regulations for the newly acquired company combined with late profit-taking saw the shares end the day 61% up at 641%p. the best performer in the FTSE 100.

Mr Marshall Whiting at SGST is among those who advised clients to "take profits" in Energy Group on the regulatory concerns and he fears that "the possible bid may not be passed by the UK's new Labour government".

News of the prospective bid helped Scottish Hydro Electric, which reports figures today. The shares rose 201/2 to 421p, while Southern Electricity, the only independent regional electricity distributor, advanced 15 to

British Airways eased to 728p after a report that Mr

rival Virgin, had said on US group may turn out too optitelevision he was confident regulatory bodies would pre-National Westminster may vent BA's proposed transat-

lantic alliance.

He was reported as also rounds early in the day saying that other airlines would consider forming a rival alliance if the deal went through. BA has said to have trimmed cur-suggested it might pull out rent year profits estimates, of its planned link with American Airlines if US regulators had not cleared the

deal by November. Strong results from Firstbus on Tuesday powered its shares up 6 to 223%p, and the sentiment spilled into Go-Ahead Group, up 31% to 457½p, which is due to report in September.

Fears that National Westminster is desperate and prepared to conclude a merger deal at any cost hit the bank's shares.

	Jun 11	Jun 10	Jun 6	Jun 6	Jun 5	Yr ago	"Hegh	LOW
FT 30	3026.6	3039.4	3002.8	2983.5	2952.3	2787.6	3039.4	2668.8
Ord, div. yield	3.63	3.61	3.64	3.68	3.72	3.98	4.22	3.61
P/E ratio net	18,31	18.38	16.22	18.05	17.85	16.22	18.38	15.80
P/E ratio nil	18.12	18.20	18.04	17,87	17.67	16.01	18.20	15.71
FT 30 since compli								
ET 40 houses -								

Open 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 High Low 3046.8 3042.0 3028.3 3029.1 3033.0 3030.1 3025.7 3031.2 3022.3 3051.3 3021.8

	Jun 11	Jun 10	Jun 8	Jun 8	Jun 5	Yr ago
SEAO bargains	50,300	52,066	51,410	45,188	41,277	29,804
Equity turnover (2m)?	-	NA	NA.	NA	NA	1758.8
Equity bergainst	-	NA	NA	NA	NA	35,792
Shares traded (milt	-	NA	NA	NA	NA	628.0
†Excluding intro-market an	d oversees	turnover but	Including (	Creat fumov	er.	
O FISE International Limit						

	Pises and falls	•	52 Week highs	and lows	LIFFE Equity options			
	Total Rises	769	Total Highs	133	Total contracts	53,085		
	Total Fells	664	Total Lows	· 67	Calls	25,471		
,	Same	1,837			Puts	27,614		

24 HRS

ED&F MAN DIRECT 7 0500 565717

Take Prechter's FREE course on the Elliott Wave Principle

www.elliottwave.com

CURRENCY MANAGEMENT CORPORATION PLC

e Frae Refilme 180 Cussney feed
www Fows-CMC.CO.UK EMAIL: PETER eFOREX-CMC CO.UK
TRk 44 171 855 500 Fac. 44 171 972 0970
Address: 11, Old Jewry, London, ECSR 80U Regelated by

**Petroleum Argus** 

Real Time Foreign Exchange Dealing Service via the let
 24 Hours Service - No Commissions, 9 5 PIP Servads

mprehensive weekly coverage of oil prices and markets

CALL NOW for a FREE TRIAL to this newsletter (44 17 ): 369 879

The FT GUIDE TO WORLD CURRENCIES, published in Monday's

number from the keypod or bundset of your fax machine. 6891 437 081.

esse telephone +44 171 873 4378 for details on Clerific int

sk about our Market CD-Rom containing 145 technical is, data and utility programs for just £34.50 incl. P&P

Call 0181-730 1660 for free details of both offers

If you would like to advertise, or require any

further information, please contact:

Jeremy Nelson

Tel: 0171-873-3447 Fax: 0171-873-3062

**INSOLVENCY ACT 1986** 

ADAMS & NEVILE ASSET MANAGEMENT LIMITED

entitled to do so either in person or by proxy. Any proxy to be used at the meeting must be lodged at Ernst & Young, Becket House, 1 Lambeth Palace Road, London, SE1 7EU

not later than 12 poon on the business day before the meeting. A statement of claim

NOTICE is also given that, for the propose of voting, secured creditors must (unless they surrender their security) lodge a statement giving particulars of their security, the date(s) on which it was given, and its estimated value.

The resolutions to be taken at the meeting may include a resolution specifying the terms on which the Liquidator is to be reminerated, and that the meeting may receive information about; as be called upon to approve, the costs of preparing the statement of

inspection free of charge from Errst & Young, Becket House, 1 Lambeth Palace Road London SE1 7EU on 23 and 24 June 1997.

on Row London WC18 4BH on the 25th day of June 1997 at

Argus Global Markets

All Futures, Options

& Margined Forex

Contact: James Allan

Tel: 0171 337 3999 Fax: 0171 337 3997

FREERAMAGUM

REAL

TIME

PRICES

ker has eased his earnings per share estimate by 0.3p or although it still rates the shares a "buy".

National Westminster shares fell 18 to 786p. while BoS followed the market 3 per cent for this year and next. He said aggregates nrices may have risen by between 3 and 4 per cent, trend closing 10 off at 3941/4p. rather than the 5 to 8 per cent that the company had

Barclays stood out as the only speck of blue among leading retail banks. The shares improved 5 to £12.27 after NatWest Securities npgraded its current and following year's profits fore-

approach Bank of Scotland

leading analysts.

for a merger also did the

The broker raised its 1997 profits estimate by £50m to around £2.5bn, with the following year's forecast raised by a similar amount to £2.6bn.

The move was said to reflect stable margins in the UK business and a fasterthan-expected recovery at BZW, the group's investment banking arm.

642p. A further slide was prevented by a profits upgrade

Dealers said James Capel had raised its 12-month share price target on Lloyds TSB to 775p from 750p.

pointed out that the shares would now respond to any institutional support after the end of a series of tender offers of members' stock.

Richard Branson, of BA's rent earnings outlook at the ment spilled into Travis Perkins, which was up 26 to

Bine Circle was up 5 to

price paid cap p up (Em.) High Low Stock

Lloyds TSB eased 4 to

from HSBC James Capel. The broker is understood to have raised its 1997 profit forecast 5 per cent to £3.2bn and its 1998 estimate by 5.9 per cent to £3.6bn.

Halifax shares dipped 51/4 to 756%p, although dealers

In builders' merchant Meyer International rose 16 results and news of board

FUTURES AND OPTIONS # FTSE 100 INDEX FUTURES (LIFFE) \$25 per full index point

mistic. Vague talk that Tarmac fell 3 to 1270 after Goldman Sachs downgraded the shares from its recommended list to "market outperformer" on fears that the hefore being dismissed hy spring increase in aggregate prices may not be holding.

Salomon Brothers was Mr Mike Betts at the bro-

Elsewhere in the sector.

431'/sp ahead of meetings with analysts next week.

Calle 5,132 Puts 6,520 HEURO STYLE FISE 100 BUDEX OPTION (LIFFE) \$10 per full index point

LONDON RECENT ISSUES: EQUITIES TRADING VOLUME Net Div. Grs P/E +/- div. cov. yld net -4 L163 25 33 152 R83 1.8 1.4 44.0

p up (2m) High Low Stock

F.P. 3,696 655 522½ Alliance & Leic

F.P. 91.6 1200 765 Aston Villa

F.P. 102 97½ Caradon 8

100 F.P. 25.0 100 100 Downing H VCT

540 F.P. 3,41 42½ 30 †Engles

F.P. 1,946 312½ 270½ Galabhar

F.P. 18,968 776 714 Hakfar

5140 F.P. 11.5 147½ 98½ Hart of Molton

100 F.P. 3.75 125 102½ †Integrated As Mg

F.P. 98 98 ind Botoch C

F.P. 3.69 119½ 112½ Longbodge bill

510 F.P. 5,14 14½ 11½ Newmark Tech

F.P. 27.5 96 38½ †Petra Dismonds

F.P. 1.25 75½ 13½ †Do Warrants

F.P. 1.25 75½ 13½ †Do Warrants

F.P. 1.25 75½ 13½ †Do Warrants

F.P. 27.5 12½ 170 Varrants

F.P. 27.5 12½ 170 Varrants

F.P. 27.5 12½ 170 Varrants

F.P. 3.99 120½ 112½ †SBS Group

5100 F.P. 829 120½ 112½ †SBS Group

53 F.P. 5.04 43½ Varraible Group

Altarmative Investment Market, 6 Plackag from Altarmative Invest

RIGHT'S OFFERS

Gold Mines Index (\$1) 1557.89 +0.1 1555.76 2171.51 2.17 1741.09 -0.2 1744.62 2924.20 5.08 1757.50 +0.8 1744.03 2583.35 2.98 1488.30 +0.1 1488.23 1900.27 0.93 27.80 2924.20 1687.50 19.60 2583.35 1729.01 61.31 1900.27 1335.64 Abica (14) Australmin (6) Worth America (11)

FTSE GOLD MINES INDEX Courteulde Delpety De La Rue Decorati EMAP EMAP Electrocor

to 431p after a set of strong FTSE Actuaries Share Indices The UK Series -0.3 4739.6 4686.7 4645.0 3769.2 3.48 2.04 17.83 87.55 2016.29 +0.2 4497.3 4484.1 4473.2 4467.4 3.63 1.59 21.69 78.79 1879.84 +0.2 4502.0 4488.1 4479.6 4511.6 3.77 1.62 20.46 80.70 1866.65 -0.2 2287.2 2265.2 2247.8 1904.6 3.51 1.95 18.26 41.82 1988.84 -0.2 2287.0 2264.6 2247.3 - 3.53 1.96 18.04 9.49 1018.61 -0.2 2220.5 2198.3 2183.2 1833.1 4.51 1.83 15.18 49.64 1636.99 -0.3 2359.9 2338.2 2318.4 1983.5 248 2.17 23.19 33.34 1678.18 +0.1 2261.39 2262.11 2265.41 2242.84 3.33 1.61 20.74 36.70 1935.07 -0.2 2242.18 2222.17 2206.41 1890.50 3.48 1.94 18.57 40.47 1978.98 FTSE 100 FTSE 250 FTSE 250 ex IT FISE 250 ex IT
FISE 350 ex IT
FISE 350 ex IT
FISE 350 Higher Yield
FISE 350 Lower Yield
FISE SmallCap
FISE SmallCap ex IT
FISE All-Share
FISE All-Share 18.57 40.47 1978.96 18.16 9.22 1017.38 -0.2 2242.18 2222.17 2206.41 1890.50 3.48 1.94 -0.2 2241.68 2221.12 2205.38 - 3.52 1.95 2237.85 # FTSE Actuaries Industry Sectors 10 MINERAL EXTRACTION(20) 12 Extractive industries(5) 15 Oil, Integrated(3) 16 Oil Exploration & Prod(12) 20 GEN INDUSTRIALS(267)

Day's Year Div. Net P/E Xd edi Total Jun 11 chge% Jun 10 Jun 6 Jun 6 ago yield% cover ratio yitd Return -0.1 4450.39 4448.08 3528.37 3.43 2.01 18.10 88,75 1982.68 40.8 4445.64 4882.03 4354.41 4368.00 3.51 2.38 14.94 104.90 1370.30 -0.2 4586.99 4589.13 4585.28 3581.59 3.64 \*1.95 17.61 94.47 2109.57 -0.2 3776.38 3798.97 3780.07 2490.45 1.54 2.21 36.79 37.81 2308.48 -0.2 9776.98 3798.97 3780.07 2490.45 1.54 2.21 36.76 37.81 2308.48 +0.3 1922.48 1906.74 1900.75 2090.89 4.15 1.92 15.70 38.18 1099.73 +0.6 1386.70 1379.44 1371.03 1200.68 3.11 1.88 21.41 24.73 1213.17 +0.2 1868.01 1841.00 1834.78 1910.02 4.29 2.78 10.48 36.88 966.84 -0.1 2446.69 2433.52 2428.20 2498.51 4.32 1.48 19.59 57.49 1215.76 +0.2 1274.16 1278.81 1263.91 1860.07 5.7 2.00 10.96 36.57 756.31 +1.5 2044.16 1994.34 1990.86 2422.43 3.80 1.54 21.43 15.10 1109.83 +0.3 2538.34 2533.83 2517.48 2462.24 3.39 2.51 14.97 34.21 1596.30 -1.1 2678.01 2790.35 2775.39 3043.83 3.91 ± 54.73 1532.28 +0.5 2071.68 2072.68 2073.47 2640.36 5.04 1.84 13.48 54.71 908.80 +0.3 1045.47 1042.84 1035.11 1406.50 6.88 0.97 19.26 38.41 688.46 -0.3 4486.08 3559.38 2.34 1.81 20.62 86 52 1757.13 20 GEN INDUSTRIALS(267)
21 Building & Construction(36)
22 Building Metits & Merchs(30)
23 Chemicals(26)
24 Diversified industrials(16)
25 Electronic & Elect Equip(36)
26 Engineering(66)
27 Engineering(69)
28 Engineering(69)
29 Textiles & Apparel(14)
30 CONSTIMER GOODSER 30 CONSUMER GOODS() 32 Alcoholic Beverages(7) 33 Food Producers(25) 34 Household Goods(17) 36 Health Care(15) 37 Phermaceuticals( 38 Tobacco(2) 4738.41 -0.3 2696.12 2679.22 2668.10 2561.0 2.961 3.45 1.97 21.47 43.39 1449.32 -0.1 2705.96 2698.45 2682.09 2971.21 3.45 1.94 18.72 41.20 1032.03 -1.0 3496.18 3487.79 3466.19 3210.59 2.68 1.77 26.38 61.83 1611.21 -0.4 4351.96 4338.34 4326.66 4224.84 2.29 1.92 28.46 59.25 1609.00 -1.1 2126.29 2097.53 2091.48 2096.19 3.90 2.21 14.87 31.26 1435.49 -0.4 2098.50 2080.63 2068.03 2112.77 3.55 2.06 18.05 39.06 1244.43 -0.0 3192.99 3196.92 3136.98 3217.76 3.52 2.19 16.24 52.32 1584.30 -0.2 2883.81 2658.65 2845.88 2417.10 3.48 1.30 27.63 43.97 1250.00 41 Distributors(30) 41 Distribution(30)
42 Leisure & Hotels(31)
43 Media(44)
44 Retallers, Food(15)
45 Retallers, General(53)
47 Brewerles, Pubs & Rest (22)
48 Support Services(54)
47 Tatelers(422) 2090.57 \_\_\_\_2824.27.2898.15 2896.86 2387.33 4.90 1.50 17.39 48.88 1348.53 +1.6 3077.76 3079.47 3082.40 2991.39 5.85 2.00 11.07 85.41 1766.35 +0.5 1927.86 1865.61 1902.61 1288.22 6.29 ‡ \$68.13 1106.89 60 UTILITIES(31) 2923.98 3133.11 62 Electricity(9) 64 Gas Distribution(2) +0.5 1927.85 1865.61 1902.61 1288.22 6.29 ± ± 88.13 1105.89 -0.8 2450.51 2418.68 2400.40 2041.15 3.84 1.88 20.30 13.53 1154.17 1937.94 68 Water(12) -0.7 2556.03 2574.26 2626.94 2169.14 6.32 2.30 8.59 45.98 1494.25 89 NON-FINANCIALS(873) -0.1 2253.74 2233.81 2224.48 2017.07 3.59 1.84 18.90 40.00 1787.51 -0.5 4436.43 4390.96 4316.00 2887.67 3.27 2.38 16.08 69.94 1992.28 -0.7 8761.12 6896.40 8536.25 3861.77 2.99 2.65 15.76 129.00 2296.46 -0.7 1778.45 1755.09 1734.38 1488.03 4.84 2.53 10.23 54.89 1432.14 -1.7 5143.10 5032.89 4971.19 3391.49 3.48 1.96 16.30 121.00 2207.57 4.02 3205.31 3202.13 3169.27 2856.91 3.36 1.99 19.69 57.23 1911.82 -0.3 2034.74 2041.97 2038.21 1530.42 3.18 1.30 30.12 30.35 1302.44 70 FINANCIALS(106) 71 Banks, Retail(8) 73 Insurance(18) 74 Life Assurance(7) 77 Other Financial(29) 79 Property(44) 80 INVESTMENT TRUSTS(127) +0.1 3444.81 3438.81 3414.11 3178.14 2.17 1.13 50.88 35.98 1234.95 -0.2 2242.18 2222.17 2206.41 1890.50 3.48 1.94 18.57 40.47 1978.96 -0.2 2241.66 2221.12 2206.38 - 3.52 1.85 18.18 8.22 1017.38 105 FTSE AR-Share ex IT(779) **2237**.10 1283.87 -0.1 1285.45 1283.08 1281.31 1275.27 3.06 0.81 50.88 19.69 1388.79 1282.39 -0.2 1294.67 1292.41 1291.17 1291.30 3.39 0.78 46.96 18.14 1397.29 FTSE Fledgling FTSE Fledgling ex IT FISE AIM -0.3 1070.5 1071.8 1068,2 - 1.03 0.85 80.00† 1.86 976.48 Hourly movements 9.00 19.00 11.00 12.00 13.00 14.00 15.00 16.16 High/day Low/day

4751.5 4747.0 4722.6 4725.6 4731.3 4724.9 4724.5 4736.5 4721.3 4759.3 4724.9 4503.9 4506.4 4504.9 4504.5 4506.1 4507.0 4505.5 4506.6 4506.4 4507.5 4503.9 2282.5 2280.9 2281.3 2282.4 2284.8 2282.4 2282.1 2286.0 2280.9 2285.7 2280.8 2287.82 2280.58 2281.18 2280.99 2280.91 2280.61 2280.87 2280.88 2281.39 2279.82 2247.00 2245.65 2236.88 2237.92 2240.07 2237.87 2237.81 2241.99 2236.55 2249.97 2236.42 Time of FTSE 100 Day's high: 8-42 AM Day's low: 4-07 PM. FTSE 100 1997 High: 4724.8 (11/06/87) Low: 4058.6 (10/01/97)
Time of FTSE AU-Share Day's high: 8-42 AM Day's low: 4:07 PM. FTSE AU-Share 1997 High: 2237.80 (11/06/87) Low: 1989.78 (02/01/97)

Further Information is available on http://www.ftse.com or confact FTSE International on +44 (0)171 448 1810.

PTSE International Limited 1997. All Rights reserved. "FT-SE" and "Footble" are trade marks of the London Stock Exchange and The Financial Times and pre 15 Sector FSE International under foence. or P/E ratios greater than 80 and net covers greater than 30 are not shown.





**OFFSHORE COMPANIES** ISLE OF MANY DIMUMPHY, CA D MERSHAY, CA Tel: +44 1808 218564 Fat: +44 1808 218564 Fat: +44 1808 218564 Fat: +44 1808 218564 Fat: +44 1808 21856 Fat: +44 personal service in Futures, Options Currencies with direct access to exchange floor James Maywell Tel: 0171 Tog 1991

Fac: 0171 480 6115 > Real-time quotes → Forex data • Over 100,000 issues → News headflues · U.S. & int'l data - As low as \$9/day!















Regional by SFA







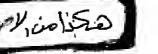


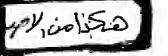


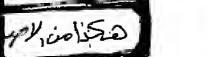
















A list of names and addresses of the company's creditors will be

affairs and convening the meeting.







Sebart Ses Singh Ess Smith (MH) Smith & Nephew Brid Section † Smiths Inda † Southern Ess South West Water Standard Chart † Standard Chart † Standard Chart † Standard Chart †

٠...

Highs & Lows shown on a	52 week basis	WORLD STO	CK MARKETS	3	
### 1,000 -14 1,000 15 223 CMM 7	52 Week Dasis  ### 159 406 2544 18 607 Series  ### 159 406 2541 18 33 Series  ### 159 406 2541 19 506 Series  ### 159 406 2541 19 Series  ### 159 407 2541 19 S	### 1	-/- Night Low Yill Will +/- Night   -/- Ni	Low YM 2/2 +/- High Core YM PAE	### 1- Maph Law Visi PVR Subset    2.75
Select 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	3rd 46.70 -10 55 12 25 25 26 4884 71 25 12 12 12 12 12 12 12 12 12 12 12 12 12	257 157 457 158 159 159 159 159 159 159 159 159 159 159	749 6.2 SE7 Machine 2074 - 5 SSS 189 1.1 SSS 48 SSS 1.1 SSS 5 Machine 2074 - 6 SSS 11 SSS 64 SSS 1.1 SSS 64 SSS 6	shed 2.75 +0.02 2.75 2.18 0.1 — 761482 Subbids 223-4 arrive 2.55 +0.02 2.38 2.11 8.0 1 — 761482 Subbids 223-4 arrive 2.55 +0.02 2.38 2.11 8.0 1 76565 Subbids 233-4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
anton 30mm +5 300 301 13 243 bundly 3 anton 721 -5 745 55 14 14 10 bundly 3 family 721 -5 745 55 14 14 10 bundly 3 family 315 4200 348 25 14 14 10 bundly 3 family 315 4200 348 25 14 14 10 bundly 3 family 315 4200 348 35 14 14 10 bundly 3 family 315 420 348 35 14 14 15 bundly 3 family 315 15 213 510 510 510 510 510 510 510 510 510 510	# +00 *403 726 D3 — Weller 1,185 +441,186 77 1,18 440 85 6 4 577 371 10 — 249pap 180 +1161,00 27 — 0.1 840 10 -249pap 180 11 (Drachma) 20 24 10 25 480 24 — 48 25 480	500 +30 50 450 450 41 25 50 4 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-1.50 100 115 25 7 Feathert 3.650 +50 5400 1 +1 50827.0 27 19 2 Feathert 3.650 +39 450 3 +6 255 130 0.0 30.8 Feathert 3.550 +3 50 450 3 +5.65 255.1 121 0.0 30.8 Feathert 3.650 +3 50 50 1 +2 122 125 2.4 14.2 Feathert 5.0 1 -3 607 1 -1 150 177 2.8 14.3 Feathert 4.650 -9 6 1.00 5	SUT DUS 422 (Schleet 1.5) Out 420 1.000 1.100 1.	### 7.59# 7.17 7.90 3.50 4.0 12.2 98.200 Cancer ### 57.5 1.0 1.0 1.2 98.200 Cancer ### 57.5 1.0 1.0 1.2 98.200 Cancer ### 57.5 1.0 1.0 1.2 98.200 Cancer ### 57.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
meZni effi — com 200 200 20 20 20 20 20 20 20 20 20 20 2	07 - 150 150 25 25 24 25 26 26 25 26 26 26 26 26 26 26 26 26 26 26 26 26	56 110 -1110 7550 27150 5889 1101 10 550 1-120 52 29 10 250 1 1 4510 -70 572420 12 271 19988 28550 1 550 470 55720 12 271 19988 28550 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-1 140 100 0.5 101 Febru 5824 + 4 594 +3 25 100 0.5 7.5 105 477 - 23 600 +40 270 100 1.7 - 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	482 12 17.8 19584 4227 -45 540 830 0.9 - 8315 507 2.9 - 8515 507 2.9 - 8515 507 2.9 - 8515 507 2.9 - 851 507 2.9 - 851 507 49.1 19586 10.556 - 801 1.10 680 0.9 2.6 5 18 1.90 680 0.9 2.6 5 18 1.90 680 0.9 2.6 5 18 1.90 680 0.9 2.6 5 18 1.90 680 0.9 2.6 5 18 1.90 680 0.9 2.6 5 18 1.90 680 0.9 2.0 5 1.90 6.9	Carring 1.75
SEP 1 055 +4 90 65 27 71.1 Burdin 20 66 27 17.1 Burdin 20 66 27 71 Resea 20 66 27 17.1 Burdin 20 67 17.1 Bur	1 -05 0.50 95 -05 -05 -05 -05 -05 -05 -05 -05 -05 -0	### 116.40 -30.122.00 90.70 43.16.7 ###### 387.0 Dp# 256.50 +20.200 90.70 43.16.7 inset0 384.60 - inset0 384.60 - inset0 384.60 - inset0 10.200 10.2	4.50 400 224 2.5 23.6 Pennis GN4s +6 712 1.50 285 223 2.5 27.1 Balton B46s +80 800 +3 225 172 1.8 45.0 Brillion 770s +3 166 +1 115 77 8.8 — GS2s 446 -10 685 1.50 225 137 0.5 — Gree 444s -5 814 4.50 27 16 97 30 112 Garsic SA2s +9 525 15 20 109 3.0 11.2 Garsic SA2s +9 525	451 CL 38.0 (b) 45.4 346 - 4 470 237 - 6 557 CM - 6574 654 545 CM - 4 670 30,000 C2 40.1 GC 1070 525 54.1 GC 1070 542 542 543 543 543 543 543 543 543 543 543 543	1.0   1.0
Chairm 8,100ml +90 8,255 4,720 0,8 12.7 Sharin 2,70 mm 1,700 8,700 1,4 36.5 Sc26m 2,55 mm 1,540 -25 1,500 1,250 - Sharin 3,540 -25 1,500 1,250 - Sharin 3,540 - 25 1,500 1,250 - 25 2,550 Sharin 3,540 - 25 1,500 1,250 - 25 2,550 Sharin 3,540 - 25 1,500 1,250 - 25 2,550 Sharin 3,540 - 25 1,550 1,550 Sharin 3,540 - 25 1,550 Sharin 3,550 Sha	248 191 04 Afron 10,855 +66 (2,85) 8008 1,4 52.3 Afron 10,855 +66 (2,8	58521.50c -24574.5256.4117.4 MCCA 97 505 -450 -72.6 57.50.10 - MSCG 195 506 -66 -40 -72.5 7.50.10 - MSCG 105 507 -44 1775 172.0 68 34.2 Mrdd 223.50 508 -175 -44 170 120.0 83.2 Mrdd 155 509 -555 MBD 0.5 - Fmdl 125 509 -555 MBD 0.5 - Fmdl 125 509 -555 MBD 0.5 - Fmdl 125	+37 -97 80 1.4 27.7 8 mm	400 1.4 417 habba 4820 - 2 86 447 1.1 32.4 25 85 84 - 1867 8 820 - 10782233368 1.3 3.9 0 50 0.5 - 18662 8 12.0 - 11.0 12.0 00 1.2 23.3 0 6 84 0.9 - 18662 8 12.0 - 11.0 12.0 12.0 17.0 18.9 R 238 - 18662 1.1 180 - 20 1.20 987 0.5 45.3 2 12.0 - 18662 8 12.0 - 1866	### 4-00
Interference         16,000m         — 17,000         0,200         14,485         25,525           Interference         16,000m         — 17,000         0,200         14,485         25,525           Interference         1,540         — 52,1,500         1,200         — 20,530         2,500         2,500           Interference         — 70,500         5,500         1,200         — 20,530         3,500         3	+44 700 422 29 25, 1 98mm 1,145 -5 1,505 1,265 -44.6 126	1A 29 -10 22 5 18 20 20 12 90 A 170 ch 162 +3 163 134 84 22 6 50 A 153 mm 172 -2 17 32 6 12 18 18 18 5 5 6 1 15 us 71 -2 77 32 6 13 16 13 5 5 6 1 15 us 71 -2 77 32 6 13 16 1 5 5 6 6 1 15 us 71 -2 77 32 6 13 16 1 5 5 6 6 1 15 us 71 -2 77 32 6 13 16 1 5 5 6 6 1 15 us 71 -2 77 32 6 13 16 1 5 5 6 6 1 15 us 71 -2 77 32 6 13 16 1 5 5 6 6 1 15 us 71 -2 77 32 6 13 16 1 5 5 6 6 1 15	-1 105 131 23 123 Hourt 66th -6 305 -1 107 133 131 123 Hourt 75th -51 1,100 -1 108 18 28 132 Hourt 75th -51 1,100 -50 155 17 25 130 Hourt 1326 +10 1,200 -6 214 136 3.1 163 Hourt 1326 +10 1,200 -2 214 136 3.1 163 Hourt 1326 +10 1,200 -2 214 136 3.1 163 Hourt 1326 +10 1,200 -2 214 136 3.1 163 Hourt 1326 +10 1,200 -6 204 136 3.0 163 Hourt 1326 +10 1,200 -7 214 136 136	102 2 1 2 3 7 4 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	00 233 - 3 236   14 22 23 3 500 Bupton   17 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
The state of the s	1 + 40 1.584 1.634 1.4 29.1 cm m	7. 451 150 1 - 13	-50 221 161.00 2.5 22.4 Historic Meller +20 1.100 2 -50 221.50 160 2.5 22.5 Historic 2.600 400 2.600 2 -2 200 155 4.5 17.3 Historic 2.600 400 2.600 2 -2 300 155 4.5 17.3 Historic 2.600 400 400 400 2.600 2 -50 34.50 47.32 3.8 2.5 1635 2.600 400 400 400 2.400 1 -50 34.50 47.32 3.8 2.5 1635 2.600 400 400 400 400 2.400 1 -2 307 210 2.5 11.3 Historic 142.00 400 400 400 400 400 400 400 400 400	773 1.4 70.5 bribes 1,000 = -10 1,200 607 0.8 — 1770 1.4 70.5 bribes 1,000 = -10 1,200 607 0.8 — 1770 1.2 42.6 Option 607 0.8 — 172 770 1.2 42.6 Option 607 0.8 — 172 770 1.3 42.6 Option 750 1.4 70 70 0.8 771 1.3 50.2 Option 750 1.4 70 0.8 771 1.3 50.2 Option 750 1.4 70 0.8 771 1.3 50.2 Option 750 0.8 7	254 14.32 4.0 14.2 4.7 12.2 250 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
8. 6.850 +30 5.870 5.870 2.8 1. Uffere   8. 6.850 +30 5.870 5.870 2.8 1. Uffere   8. 6.850 +30 5.870 1.28 1.28 1.3	110 ST 4016 21 235 Oris 2445 +65 2710 155 1151 165 1151 1	1904 284 — 388 7130 121 12 Spetts 180 204 285 — 327 176 17 61 3 13 Street 120 85 285,50 — 50 247 150 129 13 Street 115,50 505 104 — 1 127 129 130 Street 115,50 506 104 — 1 177 80,50 229 131 Street 124. 54 250 — 20 650 222 131 Street 124. 54 450 — 18 560 251,51 15 10.8 Street 21,50 56 277,50 — 130 820 160 — 277 84515 2050	**2 190 79 14 12.1 thad? 2,050nt -10 2,400 1, 15 121 15 15.1 hope hope and 1,500 -2,06 10, 1,50 10 50,59 22 54.4 thad 1,500nt -2,100 1, 1,50 158 59 24 14.5 fd 4554 -3 550 1,50 158 59 25 14 10.5 fd 4554 -3 550 1,50 158 59 25 14 10.5 fd 4554 -3 550 1,50 158 59 25 14 10.5 fd 4554 -3 550 1,50 158 59 25 12 12 12 12 158 59 1,50 158 59 25 12 12 12 12 12 158 59 1,50 158 59 25 12 12 12 12 12 158 59 1,50 158 59 25 12 12 12 12 12 12 12 12 12 12 12 12 12	310 R.4 38.4 Opens 1,000er = 20 1,190 etc 1.8 2 4 4 5 4 4 6 7 0 1 6 6 7 0 0 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	Table 10.50 11.30 5.85 0.0 12.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13
Bank 15,000 -100 15,200 5,200 1,7 17,9 Petale 1,525 per 15,100 per	-4.50 515 525 8.7 12.7 Frater \$20.5 49 1,000 520 14.0 Red 1.50 545 8.7 12.7 Frater \$20.5 49 1,000 520 14.0 Red 1.50 545 8.7 12.7 12.7 12.7 12.7 12.7 12.7 12.7 12	78 210 — 233 171 50 24 103 Sept. 180 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	172 113 24 125 125 125 125 125 125 125 125 125 125	050 0.0 - Pennid 3713 11 700 210 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.4 30.2 310 0.5 30.2 30.2 30.2 30.2 30.2 30.2 30.2 30.2	A 2.73 + 16 2.53 2.26 3.0 1.1 200 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
Com 7,100 - 100 17,200 C,200 - 10,4 Property 2,100 C,200 - 10,4 Property 2,100 C,200 - 10,4 Property 2,100 C,200 C,144 C,200 C,144 C,200 C,144 C,200 C,144 C,200 C,144 C,200 C,144 C,200 C,145 C,200 C,200 C,145 C,200 C,200 C,145 C,200 C	-2 100 1,777 02 929 44 14290 -940 (7,181 1,075 3.0 15.5 865 -2 181 100.2 3.1 10.5 865 -4.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10	1 136 - 140 178 621 3 SETTATE AND LID IN 180 - 2 106 18 32 21 3 SETTATE AND LID INA 281 -4 240 151 14 21 2 IN 250 - 258 157 14 27 2 IN 250 - 258 157 14 27 2 IN 250 540 540 540 540 540 540 540 540 540 5	n 11 / Fra.) Service 1,760 - 20 8,776 4 1 1 1 / Fra.) Service 1 1 1 / Fra.) Service 1 1 1 / Fra.) Service 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	480 1.2 32 5 Santon 380-4 -4 810 364 1.4 32 0 -	THE CASE THE TOTAL CASE AND
Min 5.340 -45 3,495 2,096 Segmen 2,477 Segmen 2,477 Security Segmen 2,477 Segmen 3,598 segmen 3,	-1.20 233 4 22	Augin 1:420 ArSero 2:420 BY the 1:145 But its 1:145 But its 1:45 But its 1:45 But its 1:45 But its 1:45	+20 1.600 915 1.8 215 M50mM 216 -2 547 16 200 130 0.00 - M	500 0.3 - Sample 1000 10 1200 - 10 140 0.3 0.3 4.5 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	1,000   1,00
Significant 446.sr Sagare 2.5 Significant 446.sr Sagare 2.5 Significant 446.sr Sagare 2.5 Significant 4.6 sr Sagare 2.5 Signif	- 10 50 300 10 10 10 10 10 10 10 10 10 10 10 10 1	rowded skies,  ns Avionics in promoting fficiency.	1.17   100   110	1900 0.7   1913   1916 0.5   19	The state of the s
Heman   11 / kg   Heman   200.5   South   20	-13 74 mg 6 65 mg -13 74 mg 6 65 mg -13 74 mg 6 65 mg -13 14 mg 6 77 14 mg -13 14 mg 1777 14 mg -13 14 mg	ns Avionics in promoting fficiency.		\$250 0.8 56.5 Sheight   768804   748 1260   748 137 1.0 127 1.0 128	27815 Makes X 244
PA 806 +5 806 806 19 10.6 Telephone 310 -20 385 17 28 14 14.2 Telephone 310 -20 385 17 28 14 14.2 Telephone 310 -20 385 17 28 14 14.2 Telephone 35 31 17 27 08 27 17 18 5 5 31 18 18 18 18 18 18 18 18 18 18 18 18 18	Rockwell Colling Rockwe	In promoting fliciency	-17 1 17/6 1956 1 7 2 1 2 12 12 12 12 12 12 12 12 12 12 12	127	Int 8.880 +1807 7.250 2.175 1.0 21.0 11100 bitugits 12-4 to 41 1.675 -25 2.00 1.053 1.3 22.5 115625 bitugits 12-2 to 41 1.575 -25 2.00 1.053 1.3 22.5 115625 bitugits 2.690 -52 2.575 1.200 2.4 4.0 1.00200 bitugits 2.690 -52 2.575 1.300 2.4 4.0 1.00200 bitugits 2.600 1.057 1.00200 bitugits 2.600 1.0500 bitugits 2.600 1.00200 bitugits 2.600 bitugits 2.600 1.00200 bitugits 2.600 bitug
Sep 34(52) - 782 10 170 Sep 34(52) - 782 202 18 - 6384547 (han Sep 34(52) - 6000 2020 mean 0.3 - 6384547 (han Sep 34(52) - 4 4 41 2027 1.0 18.4 Sep 34(52) - 4 4 4 2027 1.0 18.4 Sep 34(52) - 4 4 4 2027 1.0 18.4 Sep 34(52) - 4 10 10 10 10 10 10 10 10 10 10 10 10 10	11 / Dra.)	982 P 3,080	+1   113   20   1.1   10.7   10.07   19.00   -7   10.0   1	## 170 0.8 65.7 South 1005at +3 640 min 0.8 30.2 30.2 30.0 0.1 46.2 South 1,800at +10 2.50 1,100 0.5 4.5 500 0.0 0.2 20.2 500c2an 457x +10 2.50 1,100 0.5 50 50 50 1.0 45.5 50 1.0 45.5 50 1.	### 1.00 2.38 1.88 9.7 18.8 8000 11.5 11.5 11.5 11.5 11.5 11.5 11.5 1
Drd 680 +5 718 4815 1.1 28.2 Adds 198.3 1.4 28.7 Adds 198.3 1.4 28.7 Adds 198.3 1.4 28.7 Adds 198.3 1.6 28.7 Adds 198.3 Adds 1	+1.20 25.00 117.20 6.00 25.5 +1.20 25.00 25.20 6.05 55.5 +2.50 25.30 5.00 27.7 6.5 -2.50 40.13 27.7 6.7 -2.7 6.00 40.13 27.7 6.7 -2.7 6.00 40.13 25.45	Sec	-2 22/75 1774 0.0 24.2 Kotteld PfSui -6 941 1-12 1454 965	280 0.2 247 Score(a) 1,025.0d +10 1,230 780 0.8 35.5 585 0.7 - Sour(a) 1,025.0d +10 1,025 0.7 48.6 585 0.7 - Sour(a) 1,025.0d -20 1,700 1,130 0.0 10.8 48.6 56.0 1.3 54.0 49.0 1,130 0.0 10.8 48.6 12 1.3 54.0 59.0 1,230 0.7 48.6 10.8 48.6 12 1.3 54.0 59.0 10.8 48.6 12 1.3 54.0 59.0 10.8 48.6 12 1.3 54.0 59.0 10.8 48.6 12 1.3 54.0 59.0 10.8 50 10.8 54.0 59.0 59.0 59.0 59.0 59.0 59.0 59.0 59	## 1.84 * 0.05 * 2.35 * 1.88 \$7.718.8 \$3010 Page 10 10 10 10 10 10 10 10 10 10 10 10 10
mail 780.78	-55 78.55 49.07 2.8 17.0 +1.25 58.95 59 2.6 +1.1.58 650 1.1 20.2 +0.0 74.90 40.0 2.3 27.6 -1.0 98.90 84 1.1 34.4 -10 49.20 40 1.8 18.7 -55 48.5 34.00 3.1 28.8	Well com	+25 1,225 1930 6.8 56.7 Kmilland 188mi — 449 1 +1 977 275 1 +2 978 2,010 1,177 15 26.2 Kuran 1,148mi — 10 1,240 1 230 270 190 — 10.8 Kuran 1,148mi — 10 1,240 1 +2 3,176 1,128 1 9 — 10.8 Kuran 2,070 3 — 50 3,190 2 -4 345 201 10 17,7 Kuran 8,070 4 — 10 9,310 6, 2 +4 5 1,226 5 5 1,7 21,8 7,6 65.7 277 3 — 2,5 55 1	151 1.1 — Sentillis 1,060at — 1,560 615 0.8 — 68 885 1.0 — Scrottins 6720 — 72 611 461 0.8 1.3 1.1 160 872 0.8 2.2 Sensid 1,470at — 60 1,510 1,010 0.6 10.8 10.8 892 0.8 — 705, 6,420al — 60 9,480 5,750 0.6 10.8 10.8 893 0.8 — 105, 6,420al — 60 9,480 5,750 0.6 10.8 10.8 100 100 100 100 100 100 100 100 100 100	Toni 4.2806 4.88 3.78 3.7 14.4 1000 Fearly 6.6 1 1000 Fearly 7.8 1000 Fearl
Second   S	+3.68 71.90 54.90 12 20.6 -170 101	+/- High Carr Yok PyE Zirang Soli MIO (Lion 11 / Zioły) TUBIOSY (Jon 11 / T	-1 588 305 1.1 — Rowall 8854 — 25 1,700 2 1,70	708 0.9 Through 864ml -10 1,700 885 0.9 31.0 law NO 2.4 21.5 Tranya 1,800 -50 1,70 1,800 0.6 7.0 idv 850 0.8 Through 1,700 4.4 80 3,120 1,720 0.6 80.2 law NO 1,7 15 77.4 Through 1,000 4.4 92 1,000 768 0.6 82.4 law 17.5 1.4 47.5 legin 51 but 1.8 0.6 49.4 1,2 59.5 law 18.5 1.5 36.0 Tailoit 838 -38 767 468 1.8 33.8 law 850 0.9 40.3 Tokiou 488at -14 850 330 1.8 28.6 law 18.5 0.9 40.3 Tokiou 488at -14 850 330 1.8 28.6 law	Prof. 2, 581 — -07 8.55 2.68 1.4 — TO THE STATE OF THE ST
Dem 302 -6 79/50 240 D.6 37,8 10mms 130-5527 Dynam 87,40 Of 8th 113 LANO (Jun 11 / Miss) Dr 58 180 Dr 56 41,50 Dr 56 132-90	-0.50 117 -0.50	Meant 1:500 - 310 Admin 1:500	A Section 1, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	778 0.4 43.5 Sumetri 25that -10 1,010 637 0.7 43.5 50.2 1.4 53.1 Sumetri 25that -10 1,010 637 0.7 43.5 50.2 1.4 1.4 51.5 Sumetri 25that -11 1,010 637 0.7 43.5 50.0 1.1 2.3 5 Sumetri 602 -2 180 721 1.1 3.5 5 Sumetri 702 -2 180 72 5 Sumetri 702 702 702 702 702 702 7	he 2.03 -02 208 155 04 533 007100 5511el 72 177 1368 104 105 32 40 15 15 15 15 15 10 15 11 17 1 17 1 17 1
or A 97.80 +.80 *  18.01 85   13.00   or A 97.80 +.80 *  18.01 85   or A 97.80 +.80 *  10.5 83.40 2.1 13.1 or A 97.80 +.80 *  10.5 83.40 2.1 13.1 or A 97.80 +.80 *  10.5 83.40 2.1 13.1 or A 97.80 +.80 *  10.5 83.10 13.1 or A 97.80 +.10 4.00 93.05 13.1 or A 98.80 *  10.4 93.05 13.1 or A 58.80 *  10.4 93.05 13.1 or B 15780 198.80 00 13.7 13.0 or A 98.80 +.1 44.90 93.05 13.1 or B 15720 198.80 00 13.7 13.0 or B 15720 198.80 00 13.7 13.0 or B 15720 198.80 00 13.7 13.0 or B 158   28.0 13.0 13.0 13.0 13.0 or B 158   28.0 13.0 13.0 13.0 13.0 or B 158   28.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13	-2 180 87 12 mpas 5,446 +80 7,800 4,800 25 25,0 Pp.J. 4.00 52 19 30.97 27	PT 1089 470 1080 URIN 24 14.0 1988 365,000 42 17 183 17 18		1985   1.5	## 8.850 +180 7.250 2.175 1.0 21.0 11.00 ## Mughe 1.2 1.2 1.1 1.00 ## Mughe 1.2 1.2 1.1 1.00 ## Mughe 1.1 1.2 1.00 ## Mughe 1.2 1.
nen 157 -00 16880 00 1.9 00 mint 20.00 kK 434 -1 449 340 15 223 00 mint 1 21.80 -15.00 125 100 18 71.5 0 mint 1 25.00 kK 71.5 100 18 71.5 0 mint 1 25.00 kK 71.6 -2 228 139 1.7 20.7 kmm8 400 km 31.50 -2 228 139 1.7 20.7 kmm8 400 km 31.50 -3 72.9 39.50 2.4 11.4 kmm8 97.20	774 475 18 21 2 3 5488 3 18 18 18 18 18 18 18 18 18 18 18 18 18	S (has 11 / Pie ) Hardy 1 707-4	p) Silence 1,670 -700 (756) 12 Member 1,21cm +10 (256) 12 Service 1,480 (1.5 Se.) Member 1,21cm +3 805 8 Service 1,480 (1.5 Se.) Member 1,530 -40 (1.00 8 Service 1,530 -40 (1.5 Se.) Member 1,530 -40 (1.40 8 1,120 883 0.0 -8 Member 1,530 -40 (1.40 8 -1,200 883 0.0 -8 Member 1,530 -40 (1.40 8)	## 19 25 3 Ticker   S112   -2 460 261 13 513 04   51 0.5 53 1 Ticker   400 261 13 513 04   52 0.5 20 1 Ticker   400 261 20 12   52 0.5 20 1 Ticker   400 26 20 12   53 1.7 25.4 Ticker   1.7 20   54 5.7 Ticker   1.7 20   55 0.6 67.7 Ticker   220   56 0.6 67.7 Ticker   220   57 10 10 3.7   58 0.6 67.7 Ticker   220   58 0.6 51 52 0.7   58 0.6 52 52 0.7   58	1870 -30 2430 18.20 0.4 27.0 essats hate   484   485
## 275 +1 270 200 10 220 FP3 300.00 10 220 FP3 3	400 100 d 83.35 1 10 220 9 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Agents 1,1000  Agents	Hernial   308   -2   550   2   1   1   1   1   1   1   1   1   1	111 1.4 — Tendro 71121 — 2 851 228 0.7 — See 10 4 10 10 10 10 10 10 10 10 10 10 10 10 10	1 1.80 + 102 1.48 1.22 8.5 12.3 5-22.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MB 205 _ '214 171 50 24 26.8 Kreeds #571	+25 854 479 1.8  Trouble 17,000 -170 25,700 5,700 2.2 14.5 Blass 18,15 8.20  Trouble 12,000 -250 14,90 8,700 4.2 Basel 43,00 550 48,50	1 1200 +33 100 2840 285 10 242 Acade 7500 1120 1120 1120 1120 1120 1120 1120 1	17 700 947 1 2 1 Mediat 48734 +2 887 3	00 0.5 TOUCH 2.140ml -20 3.450 2.460 0.5 St.4	To 245 + 00 SS 210 43 13 1325 Britisian x 352 - 60 728ml -12 7.70 5.85 0.8 17.7 7852 Wester x 254 - 60 728ml -12 7.70 5.85 0.8 17.7 7852 Wester x 254 6870 Wester x 254 6870 Wester x 1.08 - 60 6800 W
map 1 107 20 4.40 119 20 73.50 to 9 71.0 100 1 12.50 to 4 12.00 1	+2.00 70 48.50 229 1.7 81.8 Comme - 700 229 1.7 81.8 Comme +1.00 75 56 2.1 25.4 RETREPLANDS (Jun 11 / Pa.) Charles +50 1.203 906 1.8 29.0 Charles -50 17.00 56 Comme	24 4 346 + 54 201 1981 19 1 1 21 Ambillo 671 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	170 97 14 — 180 170 190 1 — 180 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A 24 + 07 420 240 27 0.0 4 PM COSS  1380 - 10 15:00 1020 0.8 2010  24 14.10 - 10 15:00 120 0.8 2010  25 14.10 - 10 12.00 12.00 2.0 18.0  26 14.10 - 10 12.00 12.0 2.0 18.0  27 14.10 - 10 12.00 18.0  28 15:00 18.00 18.00 18.00 18.00  28 15:00 18.00 18.00 18.00  28 15:00 18.00 18.00 18.00  28 12.00 18.00 18.00  28 12.00 18.00 18.00  28 12.00 18.00 18.00  28 12.00 18.00 18.00  28 12.00 18.00 18.00  28 12.00 18.00 18.00  28 12.00 18.00 18.00  29 12.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00 18.00 18.00  20 18.00  20 18.00
mm 170 -1122-9 93 2-3 13.1	- 15 17 0 19.65 [ ]	## 2146 ##0 1260 7760 10	272 2,980 1,800 0.4	20	12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
MonRg4 1,525	**HID 4,750 2740 0.5 — CRESSET STATE **17 70.75 25.25 25.35 70.85 1.5 — CRESSET STATE **17 70.75 25.25 25.35 70.85 1.5 — CRESSET STATE **17 70.75 25.25 25.35 70.85 1.5 — CRESSET STATE **17 70.75 25.25 25.35 70.85 1.5 — CRESSET STATE **17 70.75 25.25 25.35 70.85 1.5 — CRESSET STATE **17 70.75 25.35 25.	1,743 +15 ,122 1,002 24 10.1 Dynda 557 11,100 +400 1,140 1,720 1,2 14.5 Depth 523ad 4 7,350 +400 1,20 5,000 1,7 21,7 Dathat 2,120g 10,550 +30 5,970 4,015 1,8 Depth 1,770g 10,560d +220 1,007 7,800 1,8 17,15 Drag 52,2,00g 1,260 25 1,7 14, 10 1,7 15 Depth 1,7 15 2,800 -30 1,800 1,800 21 15,1 C2/64 11 bg 2,000 -30 1,800 1,800 21 15,1 C2/64 11 bg 2,000 -30 1,000 1,000 21 0,000 27 0,000 57 0d	77 120 332 37.3 berham 452nd -50 5,000 1,3 5 1,000 1,5 1	20 0.1 23.9 1 vessel 3.020mi e 20 3.00 2.10 0.0 9.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T 1.5 cm - 1.0 cm - 1
176.3cmi 44.50 221 40 128.70 2.4 10.6 746.7 1227 122 123 124 124 124 124 124 124 124 124 124 124	-7 2,500 825 17 115 EV 525 + 10 64.00 42.00 4.0 - 7 or 7	834 - 6 550 307 1/3 47 Prof. 450st 5500 4 55	+5 851 4071 1.8 3.6 465 7.3 561 -15 830 8 4 -1 8 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	55 1.0 47.1 'mmins 507.0 -1 855 265 -1 00.0 55 1.0 50.0 -1 855 265 -1 850.0 -1 855 265 -1 850.0 -1 855 265 -1 850.0 -1 855 265 -1 850.0 -1 855 265 -1 850.0 -1 855 265 -1 850.0 -1 855 265 -1 850.0 -1 855 265 265 265 265 265 265 265 265 265 2	F. 1187 - 1187 1.51 7.79 1.3 31.4 Albert 57.00 +1.50 37.60 4.60 37.60 1.61 2.4 22.5 Amic. 53.77 + 75. 210 13. 41. 41. 41. 41. 41. 41. 41. 41. 41. 41
D   C   E   S	- 36 1950 155 0.0 553 (april 4 to 1050 1 to 10	1,480 +180 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1		71 1.0 51.7 Sea 71 1.0 51.7 Tell AUSTRALIA (July 11 / Austis) Thomas	F 15.70ml -10 17.40 13.50 11 10.0 Seets 23.55 -06 30.50 22 10 12.50 -04 2.76 1.10 1.4 22.2 Seets 12.20 -20 25 12 1.0 1.4 22.2 Seets 12.20 -20 25 12 1.0 1.4 22.2 Seets 12.20 -20 25 12 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
Jus Jun Jun Jun 111 10 9 14g	1997 Jan Jan Jac 5 Low 11 10 0 Japan 6 18227-37 27 Toph(4765) 1308.83 1519.99 1504.92	1574.27 4/5 TSZULE 10 <sup>14</sup>	10 9 6 Mgh Low Mgh 10 7 6 Mgh Low Mgh 10 7 6 Mgh Low Mgh 10 7 7478.50 7498.77 7698.27 6361.88 7538.27 10 7 1749 10 7697)	1.57   1.57	Divide 2550 -35 63,25 36. Duding 25,76 -25 46,25 RI Kilmisa Clon 11 / West Erro 7,20 - 12 1.
traille ridmenta(1/80) 2513.7 2828.9 (d 2828.90 10 biog(1/80) 934.6 937.8 (d 987.20 24 biog(1/80) 420.81 419.18 428.54 431.87 54	76 202230 1/4 Bishinyala 22 878.49 784 (4.55 Comp(A4456) 1108.25 1110.36 1117.20 1 Mindico 3 274.68 97 976(por 1976) (a) 4142.32 4125.30 4	(ramport 2	100_84 102_63 102_47 188_88 101.99 108_77 (1972) [1640] (197083) 671.12 2888_00 2718_15 2718_15 222_07 2718_15 (549) [271] (54877) 2718_59 221.00 222_33 240_85 200_47 268_48 (221) (234) (234) (234) (234)	64.99 AM 182 - 22 1.60 0.85 132 4.6 https://doi.org/10.1016/10	+/- Map Law Vis PV 55mm 15 23 44 - 16 2.34 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
d index(2/181) 1300.56 1297.73 1286.45 1516.70 27 [international content of the c	(25 SPRobunded 85) 971.2 974.4 974.1 (6 2871.65 27) (25 Al Sulput 85) 951.2 983.0 582.3 (6 2871.65 27) (6 2871.65 27) (7 2871.65 2871.	\$24.40 105 780.00 21 583.00 1070 450.00 21 CLF Incl. Day's high Day's high 7572.33 244.21 207 2817.40 14 Standard and P Camposite!	7598.81 (7548.82 ) Low 7459.12 (7412.44 ) (Theoretics (7511.85 ) Low 7475.08 (7437.90 ) (Actually) teles (757.90 ) (457.90 ) (	1653 Proble 24 +21 2470 1873 44 243 See 27 2470 1873 1873 1873 1873 1873 1873 1873 1873	trome 31 +.80 *19.80
ecia   1	Portugal	Plancial	017.73 1016.11 1006.72 1617.73 855.62 1617.33 (10687) 1017.73 1016.11 1006.72 1617.73 855.62 1617.33 (10687) 1017.73 1016.11 1006.72 1617.33 (10687) 1017.33 1	440 C4700 224 235 217 14 5 14 6 14 6 14 6 14 6 14 6 14 6 14 6	140.501 - 2.00
Ganfy(31/1280) (4) 5704.76 5659.11 6775.36 28 mark shaperseprives) 566.57 586.71 585.80 586.71 10 Ganagez/12/50) 3142.92 3108.54 3111.21 3142.92 11,	Singapore 6 670.14 24 SE A-Spon(2473 484.16 403.65 497.51 Spotch Advisor 1194.59 1177.3 1181.3 1	571.95 1772 472.94 29 <sup>24</sup> NYSE COMP. 1598.10 272 1140.30 54 Amer. Comp.	851.76 450.17 448.13 451.76 389.47 451.76 (1019) (1149) (1049) 821.11 519.57 514.55 451.11 541.20 451.11 (1049) (2849) (1045/87)	SALSO 1995 3.52 -03 3.40 2.47 0.5	Header   9224 +1.70 83.50 53.1   Header   1.50
1780.43 1788.44 1779.31 1808.29 18 25031/1287) 2898.10 2898.10 2896.20 2788.35 24 1001/1287) 2898.10 2898.10 2898.20 2788.35 24	5 1835.19 2/1 South Koreta 5 2206.87 2/1 Romanian (4/1/80) 785.79 789.83 775.01 Speint 882.21 2/1 Markt \$520/1.286) 571.86 588.81 585.99	775.01 95 951.05 77 BERATIOS  577.75 275 494.54 271 Down Jones Ind.		4.84 FC Bid 171 - 116 225 10 10 10 10 10 10 10 10 10 10 10 10 10	17/65 +1/0 MAN 34 25 122 _ SATH 41.25 +30 44.76
Mdexis1/12/50   1227.47   1230.39   1222.17   1230.39   1222.17   1230.39   1222.17   1230.39   1232.17   1230.39   1230.40	2075.90 2/1 Sweden 2001.77 2/1 Alexandra (1/257) 25/25.4 25/25.2 25/007 2 Sweden from 50 50/25/20/1000 55/00 55	2274.0 11.6 2274.55 2/1 S & P Incl. Div. : 2584.00 95 2822.90 7/1 S & P Incl. P/E :	Jun 4 Mey 28 May 21 Ye yield 1.59 1.57 1.57	1.05	THE AMERICA  13 1 275 485 11 01 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
G Kong Sang(31/164) 14421.52 14459.71 (4) 14880.90 24 Sang(31/164) 3827.71 3860.97 3835.35 3844.61 4/3	1206.17 34 Tulmen Welgisch: (0.07.60) 8267.00 8362.98 (d) 4 3262.34 27 Trailend Earth's SE(0.0475) \$21.40 \$21.22 \$34.45	1001.72 254 854.75 6/1 Theoday Store 1001.72 254 854.75 6/1 Theoday Store 1001.72 254 851.40 11.6 Store Fe 14.27	this Class Change Wolsons (million)  fed prior on day Jan 10 Jan 0  4,500 32 4514 New York SE 551,026 455,574  8,000 34 554 Africa 20,774 22,462	Jan 8 Mg 1877 - 10 130 130 121 121 CAM 483.369 1877 - 27 1875 130 17 12 17 10 10 10 10 10 10 10 10 10 10 10 10 10	DA 10grin 75 -50 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
200408 200210 200210 200250 712.66 20/20 2	WORLD	1075.00 56 WES.00 27 Westington 7,74 Cypress 7,71 221.50 106 794.50 144 Po Monts 7,25 Booling 5,80 Million Half 4 55	0,700 21% +% MSSCAQ 574,652 568,404 5,500 15 +1% MYSE 1,000 42% +1% Bessie Traded 3,854 3,350 3,000 57% +1% Rease 1,400 1,419 1,000 28% +% Falls 1,135 1,088	505 700 November 5.57 +07 5.62 527 57 550 56 505 700 150 5.57 +0.05 7.51 5.63 0.514.7	
2 COURT INCTION 78.29 758.01 758.05 767.71 197 Second 27.67) 1148.0 1140.0 1142.0 1187.09 107 107 108 107 108 108 108 108 108 108 108 108	2 Bertant 100287090 2355.2 2361.5 2368.6 2 FISE E 10028700 2013.6 2967.7 2013.4 2 17308.4 101 HSC JC Dept7/299 24 414.22 479.14	200437 96 18949 271 180ron Tech 4,231 180437 106 18949 271 Pacificorp 4,17 4,17 Tibes Warner 3,78 189474 371 Tibes Warner 3,78	7,400 41% -1% Unclarged 889 853 7,500 21 +1% New Highs 307 334 1,200 49% e1% Harr Lives 10 8	3,653 OF3M 5.50 +.00 3.50 2.50 1.25 2.50 1.05 2.50 2.50 1.05 2.50 1.05 2.50 1.05 2.50 1.05 2.50 1.05 2.50 1.05 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2	22 Accord 2244 — 26 125, Taylor X 224 M. 7 Proces in U.S. 2. 3. Accord 2244 — 26 125, Taylor X 224 M. 7 Proces in U.S. 2. 3. Accord 224 M. 3.
OPEN FUTURES  OpenSett Price Change High L	ow Est. vol.Open int.  OpenSettPrice Change His own 2500 00 2507.00 +2.00 2517/	igh Low Est. vol.Open int. Sep 876.50  Open 00 2295.00 5,719 27.201   Baddon 225	5 968.70 - 869.75 867.50 90.323 1 0 877.60 - 877.70 876.30 20.255 1 Sett price Change High Low Est. vol.0	084 247 -48 228 228 45 177 44 122 249 138,481 RSC R15 +18 240 440 442 7.4 280 67,118 Seetile B.47 -47 5.85 4.12 444 13.8 22 pen int.  IN TORYO - MOST ACTIVE STOCKER W	## 272 MP 472 MP
2657.0 2688.0 +42.0 2694.0 265 2685.0 2685.5 +41.5 2684.0 268	10 10,402 35 26 28 20 10 10 10 10 10 10 10 10 10 10 10 10 10	00 2909.25 311 2,145			Change Stocks Closing

| 1807 | 1808 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 | 1809 |

| 1007 | 1007 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 | 1008 |

- H -

# **NEW YORK STOCK EXCHANGE PRICES** | 1967 | 1968 | 1969 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 | 1964 |

| THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE | THE

32				*	
4 pm close Jane 77	·				NE
1967 MgA Law Slock	1941. PV She Die Si & 1950s M	Cary Close Fran Ign Low Gunta Clos	1007 High Law Street 25 <sup>1</sup> 2 18 <sup>1</sup> 3 Beptitude 28 <sup>1</sup> 4 25 <sup>1</sup> 5 Bep 25 Geb 28 <sup>1</sup> 3 15 <sup>1</sup> 5 BB 17 1886 29 <sup>1</sup> 4 19 <sup>1</sup> 5 BB 17 1886	1,54 5.7 14 87 21 4 71 28	Corps Com Pres. Law Books Chan 21½ 23½ +1½ 25½ 25½ -1; 25½ 25½ -1; 15½ 15½ +1;
32 <sup>3</sup> 2 24 <sup>3</sup> 4 AAR 43 32 <sup>3</sup> 2 ABP 105 <sup>1</sup> 4 78 <sup>3</sup> 4 ABR 32 <sup>5</sup> 3 21 <sup>1</sup> 2 ASA 67 <sup>3</sup> 3 48 <sup>3</sup> 4 ROM	1.04 2.8 32 4213 40 714124 90	14 31% 324 +4 14 40% 40% +4 14 94% 94% +3 15 22% 3315 +4 14 5412 65% +1	8 <sup>1</sup> 4, 7 <sup>2</sup> 2 85A Ino <sup>2</sup> 2 9 <sup>2</sup> 5 9 9mSkr <sup>2</sup> 4 2 35 <sup>1</sup> 2 21 Bost 3 36 <sup>1</sup> 2 27 <sup>2</sup> 2 Bost 19 47 <sup>2</sup> 5 27 Sectors 1 21 <sup>1</sup> 4 42 <sup>3</sup> 4 Bost 10 x	2 0.72 0.9 351 46 <sup>1</sup> / <sub>2</sub> 0.51 5.4 17 16 <sup>2</sup> / <sub>2</sub> 0.51 5.4 17 16 <sup>2</sup> / <sub>2</sub> 0.00 1.7 8 5714 35 <sup>2</sup> / <sub>3</sub> 0.00 1.8 18 44 35 <sup>2</sup> / <sub>4</sub> 1 0.00 1.8 17 775 96 <sup>7</sup> / <sub>2</sub> 0.52 1.5 21 4402 50 <sup>2</sup> / <sub>3</sub>	84 84 43 44 43 364 554 44 354 554 44 354 454 454 154 454 154 154 154 154 154 1
185 142 Abitol Pr 20 174 ABH Ind 21 174 Applacets 655 555 AEE List 194 10 AEM Gelles 75 7 ACM Gelles 97 54 ACM Male x	0.49 6.5 17 130 76 11 118 23 0.85 1.0 10 7417 66 x 0.95 8.7 11 163 10 x 0.63 0.9 1 191 7	14 214 224 +3 15 643 654 +14 15 155 154 16 75 75 14 84 84 4	73%; 58%; belief 24 15%; Bell in 47%; 38%; Belis Ax 45%; 33%; Belis Ax 45%; 33%; Benief 67 63%; Benief 4.3P 75%; 58%; Benief x	0.80 1.9 22 717 411 <sub>2</sub> 4.20 5.7 9 865 2.08 3.8 13 1580 663	73 74 + 17 19 1939 + 18 443 454 + 18 324 324 41 404 414 + 18 642 643 4 641 282 - 1
10 <sup>3</sup> 2 e <sup>3</sup> 4 Acme Bect 20 13 Acme Min 18 <sup>3</sup> 4 14 ACMelsen 30 <sup>7</sup> 2 27 <sup>1</sup> 4 ACMEN 20 <sup>3</sup> 4 31 <sup>3</sup> 6 ACMEN 22 <sup>3</sup> 4 19 <sup>3</sup> 7 ACMEN 48 <sup>3</sup> 2 24 <sup>7</sup> 2 ACMEN	145 17 34 1144 pt8 9.50 2.8 19 74 ps9 214 22 0.50 2.5 1 227 u22 17457 40	7 185 184 7 284 384 1 224 224 4 3 224 224 4 4 383 385 44	12 Assignat B 31 22 Berger 4700023000 Berkill 1573 1086 Berkill 1674 1872 Berry Petr X 1472 772 Beat Bry	15 21 34 0.48 1.8 19 977 30 <sup>1</sup> <sub>2</sub> 3 97300 <sup>4</sup> 55 #1598 10.40 2.7 17 140 15 <sup>1</sup> <sub>4</sub> 1252 12 <sup>1</sup> <sub>2</sub>	275 284 + 3 1 1 1 2 2 3 3 2 3 3 3 3 1 1 1 1 1 1 1
17 <sup>1</sup> c 10 <sup>5</sup> g Advant Bry 13 <sup>5</sup> g 11 <sup>1</sup> g Advan Inc 70 <sup>5</sup> g 31 <sup>1</sup> g Agrah 51g 31g Agrah 40 35 Agrah 40 ASS Corp 108 73 Agrah 21 <sup>1</sup> g 37 <sup>3</sup> g Agrah 21 <sup>1</sup> g 37 <sup>3</sup> g Agrah 21 <sup>1</sup> g 37 <sup>3</sup> g Agrah	0.03 0.2 13 873 117 18 490 115 1.21 1.8 201129 177 177 0.80 1.7 12 1718 149 20 74 0.80 0.7 80 521908 90 0.40 0.9 18 1298 90	7 15% 15% +40 3 72% 78½ -1% 4 3% 3% -10 12 45% 45½ +15 14 76½ 74½ +40 14 107½ 100½ +1	27-2 25-3 Bath St 2 x SSI <sub>4</sub> 48-2 Behitum Pt 1 103 <sub>9</sub> 75-8 Bathle 67 54-7 Bathle 67 54-7 Bathle 40 28-7 Beh ADR x 22 17-8 Bathle W x 22 14-4 Birmings S	2 500 0.9 10 52 <sup>1</sup> 6 5407 10 <sup>1</sup> 6 1.50 2.3 21 618 65 <sup>1</sup> 6 28 2782 15 <sup>1</sup> 6 47 35 <sup>1</sup> 6 0.80 9.4 15 30 20 <sup>2</sup> 6	29% 27 - 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
324, 1914, AGCO 211 <sub>11</sub> 187 <sub>5</sub> AGL Res 467 <sub>4</sub> 32 Altonom 283 <sub>8</sub> 863 <sub>7</sub> Altono 383 <sub>8</sub> 223 <sub>4</sub> Altono Fet 243 <sub>2</sub> 133 <sub>2</sub> Altono Fet 243 <sub>2</sub> 133 <sub>2</sub> Altono 257 <sub>6</sub> 22 Alfred	0.04 0.1 18 20 182 1.00 0.5 14 1057 20 0.68 2.8 22 3851 44 1.26 1.5 22 1454 651 0.30 0.8 10 1753 37 56 953 2.43 21.6 8 79 11	5 325 325 44 5 205 224 45 5 445 445 45 6 505 365 42 6 505 105 10 105 105 6 206 200 4	37 <sup>3</sup> g 29 <sup>5</sup> g BiDock x 23 <sup>1</sup> s 25 <sup>1</sup> s Back H P.L 8 <sup>7</sup> g 8 <sup>1</sup> g Bidwick 8 <sup>5</sup> g 8 <sup>5</sup> g Shiwidan 9 <sup>5</sup> g 4 <sup>1</sup> g Bidock x 35 28 Biock x 45 <sup>5</sup> g 37 <sup>1</sup> g Bicent A x 10 <sup>1</sup> s 8 Bioch/6 <sup>2</sup> s	0.48 1.3 15 2223 35 <sup>6</sup> 1 1.42 4.9 13 83 459 <sup>4</sup> 4 1 0.63 72 10 85 <sub>8</sub> 0.55 8.7 324 45 <sup>6</sup> 5 0.57 8.0 739 0 0.00 2.4 3053 34 <sup>6</sup> 5 0.51 1.1 18 448 445 <sup>6</sup> 5 0.88 0.4 20 9 <sup>6</sup> 4	36 354 284 284 +12 24 284 +12 24 55 14 81 57 15 31 34 15 44 44 15
27% 20%, Allanton Air 24% 21%, Allanton Air 24% 11%, Albany int x 24%, 14%, Albanyaria 30%, 25%, Albanyaria 37%, 30%, Albanyaria 38%, 30%, Albanyaria 70%, 41%, Albanyarian	7311607 25 8 441 24 0.42 1.6 14 127 23 0.28 1.6 14 253 16 0.20 0.7 19 602 27 0.20 8.0 17 350 25 0.94 1.7 18 5679 37 0.95 1.5 15 2776 37 0.96 1.5 11 502 70	5 2014 2414 -14 5 225 2254 -14 6 1915 1875 +14 7 2712 2754 7 2214 2214 7 255 2514 -14 7 365 27 +14	334 275 Blungman 80 24 BMC Ind 3774 47 Booling 3614 2815 Bornbay Co 1614 875 Borth Char 2675 2214 Bools Chir 7112 41 Booked	139 85 0.80 0.2 28 780 333 0.66 1.0 2627382 6575 0.60 1.8 5663 1364 0.40 3.4 25 2666 115 1.50 0.0 13 49 25	312 85 44 1 312 324 44 1 314 315 45 45 5 31 314 415 5 31 31 44 5 31 4 5 31 4 5 31 4 5 31 4 5 31 5 3
215g 253g Allagi 2935 21 Allagi 283g 105g Allaginos x 283g 257g Allagino x 303g 257g Allagino x 303g 24 Allagino x 153g 123g Allagino St	1.72 6.5 18 2908 29 0.64 2.5 22 1896 26 0.40 1.4 30 1294 20 28 1031 21 0.52 1.5 29 850 32 2.40 9.1 11 461 26 1.45 3.5 13 130 06	2 25% 25% 44% 5 44	5012 5019 Bowelt x 2014 2114 Brights 2014 2117 Breefis 2014 2117 Breefis 5214 4319 Bright x 1019 1019 Bright 1214 914 Bright 1214 914 Bright	0.28 1.8 33 940 40 0.61 2.2 295 27 4 1.00 8.0 8 475 28 1.12 2.2 17 420 313 1.12 2.2 17 420 313 18 1295 143 18 1295 143 1	77° 48 +1 3 11° 22° 14 3 36° 20° 18° 18° 18° 18° 18° 18° 18° 18° 18° 18
48 38 <sup>2</sup> g A ktobě 79 <sup>2</sup> g 68 <sup>2</sup> g Aktob x 22 <sup>2</sup> g 25 Aktob 19 <sup>2</sup> g 10 Aktob x 36 <sup>2</sup> g 29 <sup>2</sup> g Aktob x 36 <sup>2</sup> g 29 <sup>2</sup> g Aktob x 18 <sup>2</sup> g 4 <sup>2</sup> g Aktobato 18 <sup>2</sup> g 11 <sup>2</sup> g Aktobato 18 <sup>2</sup> g 11 <sup>2</sup> g Aktobato	1.54 1.8 27 3130 e604 0.16 6.5 13 257 u225 0.04 6.0 30 104 0.98 1.8 16450 767 1.18 3.3 20 1732 334 33 494 8 0.18 1.8 180 175	14 764 285 +112 2 1052 1052 +12 2 1052 1052 +13 2 744 741 12 4 324 327 14 3 819 819 15	74 847g BP x 193g 13 SP Prusion 277g 217g SSaud 30 283g ST 301g 281g Skeps/ 185g 147g Shandip x 157g 13 Shandip x	2.17 3.0 17 2538 73 1 2.20 18.5 10 353 16 <sup>5</sup> a 1 1.66 8.0 8 3638 25 <sup>5</sup> a 7.61 0.5 14 2486 78 <sup>1</sup> a 1.66 8.1 11 863 26 <sup>7</sup> a 1.00 8.0 16 189 18 17 1167 14 <sup>3</sup> a	25 25
40% 22% Alemax 76% 62% Alexa 31% 24% Alexa Cp A 6% 8 AniGovine x 20% 16% Am Procis 75% 62 Ambes 26% 21% Antomic Ind x	1.00 1.3 28 7979 476 28 2583 35 0.42 8.0 93 8 19 108 19 1451 5 0.85 8.6 0 410 479 0.80 2.5 18 25 28	304 304 +4 64 64 194 194 4 64 042 +3 784 784 +4	\$2½ 42½ BOFMA x \$2½ 42½ BOFMA x \$4½ 55½ BFAT 7½ 8½ BFAT \$1½ 25½ Branck x \$2½, 16½ Brank x 44½ 40½ BuchayaCal 44½ 40½ BuchayaCal	1.08 2.1 28 20 50 <sup>1</sup> 2 2 0.68 2.1 2340 33 <sup>1</sup> 2 2 · 12 21 7 <sup>5</sup> 8 0.80 1.5 16 2641 85 <sup>5</sup> 1 2 0.44 2.0 18 184 2241 18 454 135 <sup>1</sup> 2 3 3.00 8.0 10 28 43 <sup>1</sup> 2 4	00/2 50/2 44; 25/4 47; 25/4 47; 44; 25/4 47; 44; 26/4 48; 48; 48; 48; 48; 48; 48; 48; 48; 48
82 47% Anxiente 26% 22% Ans Dae Peri x 43% 38% Ansiem 72% 58% Ansiem 45% 38% Ansiem 5% 8 Ans Good in x 26 22% Ansiem Pr 26% 23% Ansiem Pr 26% 23% Ansiem Pr	2.40 5.9 13 1758 40 <sup>2</sup> 0.90 1.8 17 6660 d <sup>2</sup> 2 <sup>2</sup> 1.40 2.1 18 3180 pt	25 25 4 45 40 4 27 7 7 7 4 4 45 40 4 5 5 54 25 25 4	197 <sub>8</sub> 12 <sup>1</sup> c Burl Com. 80 <sup>5</sup> g 71 <sup>1</sup> g Burlin x 54 <sup>1</sup> g 40 <sup>1</sup> g Burlin x 16 <sup>1</sup> g 11 <sup>3</sup> c Burlin Pc 30 <sup>3</sup> g 24 <sup>1</sup> g BushSoniu	1.20 1.4 12 5962 84% 8 0.55 1.2 17 3160 45% 4	512 8412 +114 2 451 4472 +12 77 34 1379 2 30 33 26
781 <sub>2</sub> 57 Antiform 11 <sub>9</sub> 33 Am Holmin 142 <sup>9</sup> 1081 <sub>2</sub> Amini x 93 <sub>8</sub> 53 Am Opp inc x 143 <sub>8</sub> 9 Am Real En 463 <sub>8</sub> 365 <sub>8</sub> AmSur 223 <sub>8</sub> 184 <sub>8</sub> Am Webs 5% 243 <sub>2</sub> 184 <sub>8</sub> Am Webs	1,84 2.1 \$3 7070 777 20 3 0.40 6.5 22 72984144 0.44 7.8 343 0.80 3.7 4 140 153 0.64 1.4 20 1840 473	76 <sup>1</sup> / <sub>2</sub> 777 + 1 kg 141 kg 143 kg + 1 kg 57g 135g - 1 kg 145 kg 7g 141 kg 141	34 <sup>1</sup> 2 31 <sup>1</sup> 4 CMS St 114 <sup>1</sup> 4 96 <sup>3</sup> 5 CMA Ft 87 <sup>1</sup> 4 75 <sup>3</sup> 6 CMC 19 <sup>1</sup> 2 15 <sup>1</sup> 5 CM Cop 84 <sup>1</sup> 8 41 <sup>1</sup> 4 CSX x 78 <sup>1</sup> 8 41 CTS Cop	0.66 2.5 16 204 18% 1 1.54 2.6 13 5351 52% 0.72 1.1 14 225 65 6	
307g 323g Amer Pin 51 375g Andendi 65 657g Americh 575g 463g Americ Int 247g 187g Americ Int 247g 187g Americ 14 111g America 14 111g America 14 111g America	1.00 2.5 0 2065 med 19 2022 401 2.26 3.4 18 3024 673 1.28 2.3 14 87 654 0.24 1.9 14 1218 237 2.60 3.1 18 7656 905 0.34 2.5 9 55 cf	25 25 4 25 25 5 25 25 4 25	28 <sup>3</sup> a 22 <sup>3</sup> a Cubinsilifu a 45 <sup>3</sup> 2 27 <sup>3</sup> 2 Cubin 28 <sup>3</sup> a 21 <sup>3</sup> 2 Cubot C 822 18 <sup>3</sup> a 15 <sup>3</sup> a Cubot C 822 37 <sup>3</sup> 2 21 <sup>3</sup> a Cubic C 823 40 25 <sup>3</sup> a Cubic Colonia 6 <sup>7</sup> a 2 <sup>5</sup> a Cubic Colonia 41 <sup>3</sup> a 32 Cubinsily	2118916 30% 3 9.40 1.5 11 455 25% 2 0.18 6.5 20 657 17% 1 1.19 3.4 12 163 25% 3 19 9276 30% 2 0.10 1.5 23 5%	75 174 4 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
20 <sup>1</sup> 4 21 Anning 21 19 <sup>1</sup> 5 Angelica 45 <sup>1</sup> 2 40 Antioch 18 <sup>1</sup> 4 13 Antior 40 <sup>5</sup> 6 40 <sup>5</sup> 6 Anni Cp	26 465 49 1,72 2.0 17 2327 393 0,30 6.5 31 5606 824 24 5448 254 0,90 6.5 28 182 11 0,96 2.3 1812134 425 22 4508 177 1,04 2.1 30 1199 492	30½ 30½ ¾ 61½ 61¼ 20½ 20¾ ¼ 17¼ 15 ↔ 17½ 40½ ↔ 17½ 40½ ↔	14 <sup>1</sup> a 19 <sup>5</sup> a Deigno Cho x 32 <sup>7</sup> a 19 <sup>3</sup> a Cessya 38 <sup>1</sup> a 28 <sup>5</sup> a Chenythi 21 17 Calenat Co 52 <sup>1</sup> a 28 <sup>1</sup> a Crepts 1 <sup>2</sup> a Campti Na 27 <sup>2</sup> a 22 <sup>3</sup> a Campti Na 27 <sup>2</sup> a 22 <sup>3</sup> a Campti	0.32 2.3 24 258 13\(\frac{1}{2}\) 1.040 1.8 829 30\(\frac{1}{2}\) 3.05 30\(\frac{1}{2}\) 3.07 35\(\frac{1}{2}\) 1.0 827 4537 4537 4534 45\(\frac{1}{2}\) 2.07 1.8 25 4540 45\(\frac{1}{2}\) 4.0 1.3 25 4540 45\(\frac{1}{2}\) 4.0 13 21 2 34 8555 27\(\frac{1}{2}\) 2.0 22 1.2 34 8555 27\(\frac{1}{2}\) 2.0 25 1.2 34 855 27\(\frac{1}	新 13年 十4 日
91, 91, Apaz Man F 601 <sub>2</sub> 251 <sub>8</sub> Appli Mag 471 <sub>4</sub> 361 <sub>2</sub> Appl Pw A 23 17 Anchon	9.20 0.8 16 3870 335 9.60 0.9 226 165 17 5822 244 0.13 0.5 17 115 4 9.20 1.5 2623383 214 2.80 0.9 15 239 464 35 1074 2	23½ 23¾ ¼ 23½ 23¾ ¼ 46¼ 46¼ ¼ 28½ 20¾ 1 46¾ 46¾ 45¾ ¼ 5¾ 27¾	444) 30½ CupOneFin 18½ 14½ Cupot 1.25 25½ 19½ Cupot Mya 65½ 21½ Cupot Mya 35½ 27½ CupOn 35½ 23½ Cupot A 36½ 21½ Cupot X 38½ 62½ CupOn	128 7.1 254 177, 1 2.28 0.9 18 1351 25 2 0.10 0.2 49 22907 6334, 5 0.49 1.4 12 310 341, 3 0.44 1.1 20 5432 4344 3 1.01 5.4 14 765 25 3	14 15 44 84 84 84 84 84 84 84 84 84 84 84 84
7214, 5112, Armetii 5814, 5112, Armetii 814, 374, Armetii 2814, 274, Armetii 3214, 2475, America 1814, 1112, America 4814, 3814, America	1.76 0.5 18 1382 705 • 14 025 587 59 76 43 0.78 29 11 857 293 0.80 2.6 8 2385 213 0.32 2.3 20 0133 1.18 2.4 20 5309 463	994 997 +4 99 997 +4 44 44 284 285 +4 304 31 134 154 484 484 4	46 34½ Cprátí 17½ 12½ Carcardini 17½ 15½ Carcard x 17½ 15½ Carcard N S 62½ 46½ CaracQu 10½ 6 Cara Accar 16½ 15½ Caracac 16½ 15½ Caracac 16½ 72½ Caracac	0.49 2.6 12 20 17 <sup>1</sup> 4 17 0.96 5.7 10 70 17 10 0.26 0.3 16 1276 80 <sup>2</sup> 6 50 0.05 0.5 17 825 18 <sup>3</sup> 6	15 15% +1 15 15% +1 15% 15% 15% 15% 15% 15% 15% 15% 15% 15
13% 11% Acts Pac F 4% 8% Annat bor 53% 33% Annat bor 53% 30% ATAT 35% 30% ATAT 35% 30% ATAT 35% 30% ATAT 50% AT	8 18 6 <sup>1</sup> / <sub>1</sub>	124 124 514 324 44 514 324 44 354 367 44 355 355	43-l <sub>s</sub> 27 <sup>2</sup> l <sub>s</sub> CBI Carp 42 <sup>3</sup> l <sub>s</sub> 28 <sup>3</sup> g Cader Fair 11 <sup>3</sup> g 9 <sup>5</sup> g Cantier 42 33 <sup>3</sup> g Carter x 33 <sup>3</sup> g 29 <sup>3</sup> c Cart Hoten 25 24 <sup>3</sup> g Centr Lead 12 <sup>3</sup> g 19 Cantr Main	10 260 45% 42 2.80 5.8 13 128 4427 6 0.60 7.8 11 250 10 <sup>1</sup> 2 14 0.20 0.5 11 518 41½ 4 2.12 6.4 11 37 33½ 1.56 8.5 12 557 277 2 0.90 7.5 9 505 412½	27 427 -1 43 11 11 11 12 13 12 13 13 13 13 13 13 13 13 13 13 13 13 13
160 <sup>1</sup> q T24 <sup>3</sup> q Alffich x 13 13 Alfine 20 <sup>3</sup> q 22 <sup>3</sup> q Almorito Fd ( 13 <sup>3</sup> q 93 <sup>3</sup> q Annirito Fd ( 49 <sup>3</sup> q 28 <sup>3</sup> q Annirito Fd ( 49 <sup>3</sup> q 28 <sup>3</sup> q Annirito Fd ( 27 <sup>3</sup> q 19 <sup>3</sup> q Annirito Fd ( 28 <sup>3</sup> q 19 <sup></sup>	5.70 4.0 13 4091 140 500 3 1.00 4.9 20 212 25 1.16 1.3 200 94 0.46 1.0 22 2952 485 10 7839 224 0.25 18.2 203 14 10 2282 285	44 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	13 <sup>1</sup> q 18 <sup>2</sup> q Contr Venet 80 18 CondSW 33 <sup>1</sup> q 28 <sup>3</sup> q Contany TI x 42 <sup>3</sup> q 28 <sup>3</sup> q Contany 20 <sup>3</sup> q 15 <sup>3</sup> q Contany 80 <sup>5</sup> q 41 <sup>3</sup> q Contany 15 <sup>3</sup> q 11 <sup>3</sup> q Contany 15 <sup>3</sup> q 11 <sup>3</sup> q Contany 15 <sup>3</sup> q 11 <sup>3</sup> q Contany	9.57 · 1.2 14 940 21% 31 25 2010 40 25 13 6516 15 14 0.20 9.4 4595 45% 46 0.20 1.8 11 448 15% 14	7 11 25 12 28 12 28 12 28 12 28 12 28 12 12 12 12 12 12 12 12 12 12 12 12 12
16 93 <sub>8</sub> Adulija 847 <sub>9</sub> 553 <sub>4</sub> America 677 <sub>9</sub> 303 <sub>9</sub> America	40 854 1876 0.80 1.0 14 1439 523 1.28 1.8 20 8561 4694 0.50 4.8 121 0724 13 6700 71 <sub>2</sub>	151g 151g 611g 621g -1g 671g 66 +11g	1 <sup>1</sup> 4, <sup>1</sup> 2 Chuma 6 24 <sup>1</sup> 4, <sup>1</sup> 4, Christy 37 <sup>1</sup> 4, <sup>2</sup> 1 Chemot x 35 <sup>7</sup> 4, <sup>2</sup> 7 <sup>1</sup> 4 Chemot x 73 <sup>1</sup> 2, 81 <sup>1</sup> 4, Chuma x 28 28 <sup>1</sup> 4, Chima x 28 28 <sup>1</sup> 4, Chima x	184 13 0.02 0.1 27 1740 155, 15 2.60 5.6 15 112 374, 35 0.60 2.1 44 583 345, 35 2.32 2.1 1711280 4745, 73 0.60 2.5 328 4283, 22	10 10 10 10 10 10 10 10 10 10 10 10 10 1
20 <sup>3</sup> g 22 BCE x 6 <sup>5</sup> g 9 <sup>3</sup> g beines x 1 19 <sup>3</sup> g 14 <sup>3</sup> g Beinerië 41 <sup>3</sup> g 32 <sup>5</sup> g Beinerië 23 <sup>5</sup> g 34 <sup>3</sup> g Beinerië 30 <sup>3</sup> g 23 <sup>3</sup> g Beinerië	- E3 - 100 25 18 20 34212 50 875 2879 0.20 2.5 8 80 64 0.37 2.0 111 187 0.46 1.2 2511150 3879 0.46 1.7 51 132 2874 0.40 2.5 741 2804 0.40 2.5 741 2804	277 28 48 1 0 48 144 164 4 377 3712 48 28 28 781 3814 44	161g 125g Chings 81g 43g Church Pull 481g 251g Chings 371g 223g Chingson 381g 281g Chingson 381g 281g Chingson 781g 231g Chingson 781g 231g Chingson 781g 231g Chingson	31 8 437	Fig 184s 3s 14 144s 3s 14 852 44s 15 854s 3s 14 374s 1 14 325s 4s 16 855s 414s 48
21 <sup>1</sup> s 17 <sup>2</sup> s Bellind 28 24 <sup>2</sup> s Belline x 1 48 <sup>2</sup> s 59 <sup>2</sup> s Belline x 1 78 <sup>2</sup> s 52 <sup>2</sup> s Belline X 1 17 <sup>2</sup> s 12 <sup>2</sup> s BCH 1 19 <sup>2</sup> s 13 BCP ADR 1 21 <sup>2</sup> s 40 Burdey 1	0.00 0.3 22 300 187, 1.00 62 13 1627 281, 1.52 35 1311165 441, 1.57 21 20 210 077, 0.30 1.0 34 17 183, 0.34 1.0 15 773 078, 0.30 1.0 34 21 501, 0.34 1.0 15 773 078, 0.34 1.0 16 90161127,	19% 19% +12 28% 29 +12 43% 44 +14 77% 77% +13, 18% 19% +12 19 19 +14 49% 50% +13	4632 3552 Climp in x 3034 2834 Clim Bell 243 175 Climina x 244 134 Chapter U 2534 32 Climbra 37 3332 Climbra 4074 2835 Climbra	2.46 6.2 19 61 367g 36 0.40 1.8 25 1968 31½ 30 0.36 1.8 14 1231 4242 32 613405 2 1 1.80 0.5 18 957 341g 33 2.12 6.1 15 365 351g 34	4 30% -14 201 7 24% -48 85 5 114 14 57 6 312 -4 301 7 25
44% 32% Bundit' ( 19% 15% STM ADR x ( 50% 47% Bunden A ( 50% 50% Bunden 6 70% 51% Bunden 6 70% 51% Bunden 3 67 70 Bunden 50 x ( 61% 45% Bunden A ( 10% 45% Bunden A (	2.96 2.1 17 6405 U45 3.00 0.5 842 1873 1.25 8.5 18 493 2.066 8.3 2 1657 2.06 8.3 2 1657 2.07 17 2905 78 3.00 0.5 20 857 2.04 0.6 2 467 2.00 4.0 12 2780 672	644 44% +12 1913 164 +12 4912 4912 2014 2014 75 75% +14 8552 8512 4844 4914 884 27% +14	30-1: 23-2: Circus Cr 127-1: 90-1: Circus 90-1: 92-1: Circus 101: 90-1: Circus 121-1: 5-2: Circus 121-1: 5-2: Circus 121-2: 0 Circus 121-2: 23-3: Circus 23-3:	2014115 30 24 2.18 1.8 1814332 1194; 117 8.00 6.3 8 954; 95	\$ 178\$; +1 19\$; 10 7.  \$ 25\$; -1; 10 19\$; 10 1
94 693, Belays 2 335, 265, Bell (C R) ( 267, 19.00 Bernes Gp x C 537, 30 Bendix x 0 124, 672 Bendix x 0 124, 672 Bendix x 0 124, 672 Bendix x 0 434, 324, Bendix x 0	2.12 2.7 18 18 79%, 188 2.1 28 1127 25%, 1900 2.3 14 487 3873, 1900 2.1 17 7386 25%, 14 49.2 44 3140 25 12 12 12 12 12 12 12 12 12 12 12 12 12	794 784 225 227 4 235 237 24 237 234 4 12 124 4 12 124 4 13 124 4 14 124 4 15 124 4 15 124 4 16 124 4 17 124 4 18 124 4	15-k 12°s Chryson Hm 1 9°s 7°s Chryson e	0.06 0.5 15 2255 1476 14 0.01 6.3 73 94 6 7.00 8.5 70 94 2 1.30 3.1 6 180 42 2 42 7.40 8.1 70 314 91 2.32 1.5 27 1547 1255 127 240 8.2 2 20 100 100 100	12 141 15 614 15 184 42 184 15 42 42 553 12 212 42 143 14 1284 42 143 14 212 42 574
34 <sup>3</sup> g 36 <sup>2</sup> g Busine x 1	.15 2.1 80 8593 4642	53% 54% +12 (	34 <sup>3</sup> g 28 <sup>3</sup> g CAF Trans x ( 30 <sup>3</sup> g 15 <sup>3</sup> g Conclumes x ( 48 <sup>3</sup> g 35 <sup>3</sup> g Count Sav 21 <sup>3</sup> g 40 <sup>3</sup> g Count x ( 89 <sup>3</sup> g 21 <sup>3</sup> g Count x ( 22 10,71 Count x ( 18 <sup>3</sup> g 12 <sup>3</sup> g Count Dain (	0.40 1.1 22 5438 4365 35 0.20 1.2 0 1255 175 16 55 555 455 44 0.40 0.6 10 3341 597 59 0.00 0.9 41596 60 60 0.03 0.2 3750 275 21 0.13 1.1 841 185 18	7 45 45 4 201 2 504 +1 22 2 580 18.1
BE Gl	OU EST		18 <sup>2</sup> y 111 <sup>2</sup> Colomen 34 <sup>2</sup> y 40 Couple 10 <sup>1</sup> y 9 <sup>2</sup> y Colomen <sup>2</sup> y 6 8 <sup>3</sup> y 7 <sup>2</sup> y Colomen <sup>2</sup> y 7 7 <sup>3</sup> y 7 <sup>1</sup> y Colomen <sup>2</sup> y 7 7 <sup>2</sup> y 6 <sup>2</sup> y Colomen <sup>2</sup> y 6 58 <sup>3</sup> y 38 Colomen <sup>2</sup> y 6 68 <sup>3</sup> y 38 Colomen 7	1.12 0.3 23 2379 379 389 78 175 177 1875 175 1.18 1.7 22 7741 0559 84 1.64 8.0 253 2194 19 1.55 0.9 341 84 87 1.65 0.1 44 74 71 1.51 0.9 109 072 71 1.60 0.9 18 872 855 4	37 - 19 744 214 18 18 18 18 18 18 18 18 18 18 18 18 18
	3		23 ½ 19% Control 1 36½ 27 % Continen x ( 65½ 21% Conten x 1 13% 11% Control x 0 31% 27% Committe x 0 35% 27% Committe x 0 25% 24% Committe x 0 25% 24% Committe x 0	001 0.1 1810012 38% 97 1.58 7.1 23 64 224, 21 1.28 0.8 16 884 374, 38 1.71 2.7 17 1552 6552 64 1.54 4.1 13 257 1342 13 1.52 1.7 11 79 451% 31 1.50 7.7 2.4 3 1.60 7.7 2.5 2.5 2.5 1.60 7.8 3 2 25% 255	8 J. 4 1 325
INTER C	HENAEUM CONTINENTA ATHENS YOU SERY WITH US YOU SERY WITH US	T	15 <sup>7</sup> g 8 <sup>7</sup> g Common Pay 110 <sup>7</sup> g 77 Compag 16 <sup>7</sup> g 11 <sup>2</sup> g CompCo 57 <sup>7</sup> g 37 <sup>7</sup> g CompAg 30 <sup>8</sup> g 15 <sup>8</sup> g CompAg 30 <sup>8</sup> g 15 <sup>8</sup> g CompAg 21 <sup>8</sup> g 15 <sup>8</sup> g CompAg 14 <sup>8</sup> g 6 <sup></sup>	174 155 183 184100 1034 853 184100 1034 853 145 02 66 6796 3512 544 30 4474 76 751 105 0.1 47 1080 335; 321 120 0.9 25 2758 234, 227 8 1625 1012 103	542 12 1554 754 1 8 354 1 254 163 1
in A	THENS y in touch -		61% 40 Chique 1	00 1.6 50 2070 u2212 611 12 60 14 96 212 213	a 613a

•	527g 421g Briffett 1.00 2.1 20 20 5012 5012 5012 5013 5013 5014 253g Briffett 0.60 2.1 2340 3312 327g 253g 253g 77g 83g BRT 12 21 75g 77g 75g	4
	227, 427e Driffer X 1.08 2.1 28 20 5072 5072 5072 5072 5072 5072 5072 5	4
	80° 70° 8470 x 1.20 1.4 12 5982 84% 85½ 84½ +	14
2	54 <sup>1</sup> 2 40 <sup>1</sup> 6 Berffe x 0.55 1.2 17 3160 45 <sup>1</sup> 4 44 <sup>2</sup> 6 46 <sup>2</sup> 6 16 <sup>1</sup> 2 11 <sup>1</sup> 6 Bursten Pc 1.00 7.8 21 155 13 <sup>1</sup> 6 13 <sup>1</sup> 6 13 <sup>1</sup> 8 13 <sup>1</sup> 8 30 <sup>1</sup> 8 24 <sup>1</sup> 8 BusteSoute 18 20 30 <sup>1</sup> 8 30 33	-42
	- C - 34½ 51¼ 036561 1.20 6.5 14 1782 207, 20%, 20%, 114%, 96% 030 81 8 470 100½ 101½, 101½, 100 -	년 1년
	874, 754, CPC 154 24 26 269 84 824, 83 1012, 1512, CPI Corp 0.68 2.5 16 264 187, 181, 185, 841, 4114, CSI x 154 2.5 13 5351 527, 52 523,	1
	701s 41 CTS Corp 0.72 1.1 14 225 85 641s 641s 261s 221s Cablesianus 0.52 1.9 20 2288 271s 281s 287s 461s 271s Cablesia	7-1
	46 <sup>1</sup> 2 27 <sup>1</sup> 2 Cabinit 12 11 10016 30 <sup>1</sup> 4 30 <sup>1</sup> 4 30 <sup>1</sup> 4 20 <sup>1</sup> 5 20 <sup></sup>	Į.
	200 at 22 Caston Char Cast Cast Cast Cast Cast Cast Cast Cast	1
	14° 16° Caton Can x 0.32 2.1 24 255 13° 13° 13° 13° 13° 13° 13° 13° 13° 13°	Ļ
	21 17 Calmant Co. 0.40 1.3 25 400 1/21 1/2 2014 . 21 4 52 1/2 2014 (Oraphic 0.77 1.6 25 4340 4614 4614 4614 4614 4714 4714 4714 4714	4
	27 <sup>1</sup> 22 <sup>1</sup> 22 <sup>1</sup> 20nPac 0.32 1.2 34 8855 27 <sup>1</sup> 2 28 <sup>1</sup> 2 27 44 <sup>1</sup> 2 29 <sup>1</sup> 2 CapOnd <sup>2</sup> 10 0.32 1.9 14 4221 34 32 <sup>1</sup> 4 32 <sup>1</sup> 2 32 <sup>1</sup> 2 4 15 <sup>1</sup> 2 14 <sup>2</sup> 5 CapOnd <sup>2</sup> 10 128 7.1 254 77 <sup>1</sup> 5 72 <sup>1</sup> 2 12 <sup>1</sup> 2	ļ
	18% 14% Count 129 129 7.1 254 17% 17% 17% 12% 25% 19% Count 180 2.28 0.9 18 1381 25 24% 25 65% 25% 25% 0.0 0.2 40:2307 85% 35% 27 Carita 0.49 1.4 12 310 34% 35% 35% 27 Carita	1 24
	44% 30% Conformation 0.32 1.9 1/4 4221 34 32% 531% 531% 531% 531% 531% 531% 531% 531	1
		7
1	17% 154 Cascale N S 0.95 5.7 10 70 17 194 194 4	1
١	164, 154, Capacida 947, 154, 154, 154, 154, 154, 154, 154, 154	<u>ل</u> 1-
	434, 274, CDI Carj 434, 2854, Cotor Fatr 114, 675, Contifer 124, Cotor Fatr 125, Contifer 125, Contifer 1	ī
	38-1 29-1 Contribute 2.12 6.4 11 57 83-1 33 33 25 24-1 Contribute 1.50 8.5 12 557 27-2 28-7 27-4 12-1 19 Contribute 0.00 7.5 0 505 u12-1 13 12 -	4
	124 19 Cent Main 0.80 7.5 9 505 t/124 13 12 - 674 434 Cent Main 0.80 7.5 9 505 t/124 13 12 - 674 434 Cent Main 0.80 8.0 7 86 114 1674 13 134 184 Cent Main 0.88 8.0 7 86 114 1674 13 30 18 CentSW 1.74 6.4 10 3008 2014 234 235 25 2	i.
	80 18 Control 1,74 8.4 10 3080 2074 2874 2875 0 3312 2872 Control 112 8.87 1.2 14 640 2174 3172 2114 4274 2872 Control 252 2870 40 2574 3874 0 2074 1574 Companies 13 6376 19 1472 1474	l <sub>a</sub>
١	50% 41% Chapters 0.20 9.4 4595 46% 46% 46% 46% 15% 11% Chapters 0.20 1.8 11 448 15% 14% 15 7% 7% 7% 7% 7%	4
١	241 BL Christs 0.02 0.1 27 1740 153 154 185	4 10 14
Į	574, 21 Chemist x 2.51 5.5 13 112 574, 554, 57 + 554, 274 Chemist x 0.00 2.1 44 553 344, 554, 374, 574, 574, 574, 574, 574, 574, 574, 5	4
1	28 28½ Chiefe 6 080 25 22 u22½ 23½ 23¼ 16½ 16½ 16½ 16½ 16½ 16½ 16½ 16½ 16½ 16½	4
-	374e 223e Civiniana 31   16373e 374e 374e	į
İ	38 <sup>4</sup> , 28 <sup>1</sup> , Chrystr 1.80 4.9 \$28073 33 32 <sup>1</sup> , 32 <sup>5</sup> , 32 <sup></sup>	4
	4612 353 Chambin 2 246 62 19 61 3072 3012 3054 -	4
	52-4 25% Cris Sel 0.40 1.8 25 1999 37% 30% 30% 30% 20% 22% 24% 17% Chesphan 1 53% 0.36 1.8 14 1231 424% 22% 24% 4 2% 14% Chesphan 1 55% 32 Chespy 1.80 0.5 18 957 34% 35% 34% 25% 40% 25% Chesp 2.12 6.1 15 25% 35% 35% 34% 25% 40% 25% Chesp 0.14 9.4 28 3385 35% 34% 25% 25% 25% 25% 25% 25% 25% 25% 25% 25	
	78% 22% Chair Cr 3014115 70 24% 24% 112% 95% 25% 25% 25% 25% 25% 25% 25% 25% 25% 2	1
١	30% 23% Chain Cr 218 13. 1814532 119% 117% 119% 127% 93% Chair 218 13. 1814532 119% 117% 119% 119% 119% 119% 119% 119%	4
	12\(\frac{1}{4}\), \$\(\frac{1}{2}\) Combines \(\frac{1}{4}\), \$\(\frac{1}{4}\), \$\(\frac{1}\), \$\(\frac{1}{4}\), \$\(\frac{1}{4}\), \$\(\frac{1}{4}\), \$\(\f	4
l	15% 12% Chylan Hm	
	94's 20'2 Clariet 8 7.40 8.1 20 31's 11's 21's 21's 128's 17's Doront 2.22 1.5 27 167 125's 127's 128's	
Į	107 1014 CNA Income 0.90 E.2 21 HID 1 1834 1014 1014 1014 1014 1015 1014 1015 1015	
1	48 <sup>1</sup> 4, 35 <sup>1</sup> 2 Chant Sav	•
١	2210.71 Confe 0.03 0.2 3790 277, 271, 271, 271, 271, 271, 271, 271,	
	2014 2014 Copert x 0.12 0.3 20 2379 579 5074 577 1576 1576 1576 1576 1776 1774 1774 1774 1774 1774 1774 17	•
l	7°2 7°3 Columbia x 0.51 0.1 44 7°2 7°3 7°2 7°2 7°2 7°3 7°3 7°3	
	44/g 30% COMCA 0.04 0.1 1810012 38% 37% 38% - J 23% 19% COMCA 1.58 7.1 23 84 22% 21% 22% - J	2
	13/2 11/4 Comments (154 4.1 13 257 13/2 13/4 13/4 -1	
ı	50 24 Comment of 1,00 7.7 25 24 1, 24 1, 24 1, 25 1, 26 1, 2	-
	104 114 Campier 61 144 14 144 15 174 Campier 6.18 0.2 66 6798 454 544 544 4.4	2
1	57'2 37'4 Compless 0.18 0.2 86 8796 55'2 54'4 64'2 1 82'4 55 Complete 3 47 7099 35'4 53'4 75'4 33'4 18'5 Complete 3 8.05 0.1 47 7099 35'5 23'4 35'5 33'4 38'4 18'5 Comments 0.20 0.9 25 2739 23'4 22'7 52'4 14'4 0'5 Comments 8 1535 10'2 18'3 18'3 18'3 1	
	234 155 Consest 0.20 0.9 25 275 234 275 254 144 154 155 Consest 0.20 0.9 25 275 234 275 254 154 154 155 Consented 152 153 153 154 154 154 154 155 155 155 155 155 155	:
	12 of 22 Complete 2 18 71 18 9700 301, 201, 201, 201	
ı	72½ 98 Com 81 P1 5.00 7.1 2 70¼ 70¼ 70¼ 1. 37¼ 47¾ Com 86 1.94 3.8 18 1325 50% 53¼ 535 1.34	ا؛
-	ALS THAT COMMENT IN IN CO. IS IN 1985 C. 414 45 414 4	
1	01 50 4 GRY 4.18 1 4.16 7.3 2100 37 57 27 +14 마12 98 GRY 7.45 x 7.45 7.8 20 96 5 98 5 18 1 15월 14을 Christias 0.25 1.8 218 115절 15월 15월 178 9일 COURTY 1.18 12 1 03 6월 1월 1월 1월 1	1
1	તું n.a.e.geomput i'ldiri. જ તેની કર્મ્ય તેની +ને	

The content of the	:	- p-	25%; 17% Gathai Mar. 25%; 17% Gathai Mar. 70 55% Bibaffex
10   10   10   10   10   10   10   10	- 1	41 224 Dates San 6,12 GA 23 1761 264 344 264 464 464 464 464 464 464 464 464 4	87 54 ESENCIME 27 55 57 6 64 25 304 670 200 52 13 4222 305 304 305 305 505 505 505 505 505 505 505 505
The content of the		153g 173g Charlest 2 0.18 1.8 672 143g 137g 14 94g 64g Charlest 24 5558 4552 94g 94g	30½ 70½ 6007K 1.08 1.4 13 824 80½ 75½ 70½ 14½ 9 6000000 538 13 12½ 12¾ 30½ 236 800 112 25 2233 37½ 27 37½
A	.		215 415 21 Laten C 0.20 1.2 13 3354 552 21 52 52 52 21 52 52 21 52 52 52 52 52 52 52 52 52 52 52 52 52
A		40 31 Dama Foods x 0.78 1.0 25 257 2878 39 307g +1g 61g 81g Damafffer x 0.20 7.3 361 67g 487g 487g +1g 640 507 Dama D RO 1.8 18 2004 5414 5716 571	41½ 25% Sestrani x 0.30 8.0 14 7007 35½ 35½ 35½ 35½ 64½ 45½ 60000Fn 1.00 2.6 18 2008 65½ 18½ 362 83 14½ 14 14½
Self-Scheenberg 20 10 10 10 10 10 10 10 10 10 10 10 10 10		8 5% Data Wiles 25 8% 5% 9% 4% 25% 25% Data Wiles 1.46 4.0 30 826 80% 22% 22% 22% 4%	777 314 Gard 0.5 05 5751 727 692 727 727 727 584 585 9 727 727 728 585 944416 72 0.18 0.1 67 4945 7212 7212 7412
See 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$21g 285g Design Cpr x 0.20 3.0 18 1166 4825g 27 325g -11g 331g 281g 281g Prote 0.48 1.2 20 118 211g 371g 271g -11g 281g 281g 181g 181g 181g 181g 181g 181g	
Company of the compan		35% 33 (Mg)E 6247 30% 33% 34% +%	2412 1619 HKTM AGRX 0.08 4.5 17 2242 2114 2112 2112 1815 18 HEE Prope 1.34 7.8 71 25 17 1916 17
## 19 Company   19 Per 19   19 Per 19	ūΙ	431, 227, Doller 0.40 0.5 25 642 427, 417, 427, +12, 413, 221, 1000, 124, 251, 241, 251, 251, 251, 251, 251, 251, 251, 25	26½ 19½ Hallwood 6 9 26½ 26½ 26½ 26½ 19½ 18½ 18½ 18½ 16½ 16½ 26 26 26 26 26 26 26 26 26 26 26 26 26
The color of the	٤١	354 25P4 DOENY 0.73 2.3 23 300 0354 3/4 384 +41	37 <sub>6</sub> 57 <sub>6</sub> Handsman 232 7 67 <sub>6</sub> 7
The content of the	L ł	454 334 Donnes 0.90 2.5 22 1831 424 414 414 414 414 414 414 414 414 41	28 30°2 Hammaiord x 0.54 1.8 70 186 38°2 54°4 35°4 27 196 Hammaior ACR 0.36 1.6 2478 28 25°4 30 at 1.4 26°4 Hammaior ACR 0.36 1.6 2478 48°4 48°4 48°4 48°4 48°4 48°4 48°4 4
25, 18 million 19 10 10 10 10 10 10 10 10 10 10 10 10 10	:	144 44 Dans 18 388 114 104 107 4 284 274 Dans 2 0.88 25 21 2828 284 240 345 4	47 25 <sup>3</sup> Haday Day 0.28 8.0 25 2550 m/7 46 <sup>3</sup> 4 46 <sup>3</sup> 4 53 <sup>4</sup> 32 <sup>3</sup> 4 Harasian Inc. 0.20 8.0 14 1721 43 42 <sup>7</sup> 2 42 <sup>7</sup> 2
201 - 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	:	22% 25% 07E State 2.08 7.8 14 971 27% 27% 27% 27% 72% 72% 65% 04 Portion 18 85 8-75% 95% 95% 95% 3% 3% 3% 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38	90% 67% Harris x 1.52 1.7 18 2771 1814 5 20% 21% 4 25% 38% Herson 0.00 2.5 18 464 38% 38% 38% 38% 38% 38% 38% 38% 38% 38%
28 Appendix 1 20 6 21 27 27 28 29 29 29 29 29 29 29 29 29 29 29 29 29		27 <sup>3</sup> 2 22 <sup>3</sup> 4 Danieri 0.88 3.4 4722 28 <sup>3</sup> 4 25 <sup>3</sup> 4 28 + 18 <sup>3</sup> 4 92 <sup>3</sup> 4 Danieri 252 22 1814040 113 <sup>3</sup> 4 113 <sup>3</sup> 4 113 <sup>3</sup> 4 13	52 <sup>4</sup> g 44 httSins\$ 2.29 4.4 20 471 52 <sup>1</sup> g 52 <sup>1</sup> g 52 <sup>1</sup> g 52 <sup>1</sup> g 10 <sup>1</sup> g 6 Herinox 0.00 0.3 14 525 9 <sup>2</sup> g 9 <sup>1</sup> g 9 <sup>1</sup> g 14 <sup>1</sup> g 15 <sup>1</sup> g 14 <sup>1</sup> g 15 <sup>1</sup> g 14 <sup>1</sup> g 15 <sup>1</sup> g 14 <sup>1</sup> g 15 <sup>1</sup> g 14 <sup>1</sup> g 15 <sup>1</sup> g 14 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g 16 <sup>1</sup> g
105 pt 90 pt 4		281 <sub>2</sub> 25 Depend 3.75 z 1.68 0.5 z0 271 <sub>2</sub> 271 <sub>2</sub> 271 <sub>2</sub> 271 <sub>2</sub> 251 <sub>4</sub> 35 Depend 0.0x 2.80 7.0 z180 261 <sub>4</sub> 281 <sub>4</sub>	371 317 Heath Ca 244 72 15 528 341 317 541 211 211 111 Harmonto 505 211 211 211
88, 44, 102144  89, 44, 102144  80, 44, 102144		13% 10% ON 4 17 80 18% 18% 15%	245 174 Houteam 35 8880 125 247 2474 745 574 Houteam 1274 876 8 846 1874 1874 1874 1874 1874 1874 1874 1874
Section   Column			60% 41% Heater's 0.52 8.0 20 435 50% 57% 57% 57% 40 57% Heater's 1.03 2.1 73 2005 67% 68% 47% 68% 57% 55% 55%
201 17 Septiments 1 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		244 104 5556 \$ 0.56 2.5 12 677 204 104 20 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 15% Hench (20 18% 18% 18% 18% 18% 18% 18% 18% 18% 18%
Sept. 1 Sept. 1 19 2 2 1 1 19 19 19 19 19 19 19 19 19 19 19 19	•	94% 73% Strate 1,72 22 2037221 84 75% 79% 4%	SAR IL BURNON IND TIES WAY TO
201 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		25% 20% Exhib 0.08 2.5 14 1697 34% 34% 34 % 42% 35% Exhib 0.64 1.5 22 2002 965% 42% 42% 42% 42% 15 11 11 11 11	47% 35% Hellander 0.00 1.4 22 688 047% 47% 47% 120% 201 121 122% 12 3038325 25% 25% 25% 25% 122% 122% 123 123 123 123 123 123 123 123 123 123
Sept. 406 Sept. 20 CH 12 27 10 CH 12 27 17 77 77 77 77 77 77 77 77 77 77 77 77		414 304 Etherakis	165 127 House 120 1.5 25 7748 157 1512 155 655 257 2114 House AM 2 0.22 0.4 16 121 60% 65% 55%
### 19 Sections 12 02 02 10 10 10 10 10 10 10 10 10 10 10 10 10		28 1 20 1 10 27 73 774 774 774 774 774 775 25 155 1 156 1 15 17 1800 277 287 281 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	187, 197, 197, HERCHES No. 78 5277 L20 197, 197, 2774, 2272 HERMAN 0.82 2.4 24 664 26 2574, 2572, 2474, 20 Househam 0.12 0.5 61 1805 2274, 2274, 2274
104, 154, Strainer Date 120, 271 4 227 171 194, 194, 194, 194, 194, 194, 194, 194		41½ 21½ BMC Corp 28,19955 30½ 25 22 1½ 10 7½ BmgGrmp 0.02 02 187 6½ 8% 8% 66% 40 Bmg/R x 1,00 2,0 22 4102 55½ 3,4% 55½ 3½	1974 6% Hatchards 24 408 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%
20. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		181 151 Emple Day 1.20 7.7 14 265 167 167 167 167 167 167 167 167 167 167	45°4 10°4 14.005 1.04 2.3 20 331 45°2 44°3 40 27°4 14 14.0000 Pin 0.06 6.5 17 164 16°4 15°4 15°4 16°4 14°4 73°4 160°6 000 0.34 2.5 24 140 13°4 13°4 13°4
100 pt 2 cmm 200 12 cmm 201 12 cm		42 254 659450 4727 9624 402 412 48 48 48 48 48 48 48 48 48 48 48 48 48	45% 30½ Hagina Sup 0.44 1.7 12 65 36½ 36½ 36½ 36½ 36½ 36½ 36½ 17½ Hagina 1446 66% 224 24 24 16½ 16½ 16½ 16½ 16½ 16½ 16½
204. 1815 Bennits 1.00 1.01 1.05 20 20 21 1.01 1.01 1.01 1.01 1.01 1.01		114g P4 E2000 2000 0.052 0.1 72 252 107g 107g 1074 1074 1074 257g 257g 257g 257g 257g 257g 257g 257g	
250 1 200 1 201 1 201 1 201 1 201 2		68 40½ Benerick 25 5384 51½ 40½ 40½ 4½ 24½ 18½ Benerick 220 8.0 65 752 21½ 21½ 21½ 4½ 25½ 22½ Benerick 1.50 0.7 14 8295 28% 28% 28% 4½	20 22% EP lac x 0.18 0.4 73 4657 24% 25% 25%
201 274 Seminar 19 10 10 10 10 10 10 10 10 10 10 10 10 10		354 254 Brants 4.35 1.1 24 766 314 314 214 44 324 254 Brantsux 620 08 31 6710 6274 324 324 4-4 324 274 Brantsu 1.16 4.1 21 726 224 324 324 29	12 10 10 17 Proper 0.90 7.7 17 1216 11 1 11 11 11 11 11 12 11 14 17 17 17 17 17 17 17 17 17 17 17 17 17
### 44% Denors 1.24 2.1 190000 etch 40 40 44 44 44 45 11 10 10 10 10 10 10 10 10 10 10 10 10	Т	324g 224g Esteriste 12 131 327g 324g 324g 44g 164g 164g 64g 64g 64g 64g 44g 1714 1714 144k 6478466 6,78 6,6 140 174 17 175 44g	46% 21% Partos x 0.18 6.5 25 20 22% 23% 23% 23% 23% 23% 25% 25% 25% 25% 25% 25% 25% 25% 25% 25
111 9 14 19 10 10 10 10 10 10 10 10 10 10 10 10 10		40% 50% 5000 to 50% 50% 50% 50% 50% 50% 50% 50% 50% 50%	27 <sup>1</sup> <sub>2</sub> 30 <sup>1</sup> <sub>2</sub> 30 <sup>1</sup> 3444 82 2.5 12 1469 37 <sup>1</sup> 3 26 <sup>1</sup> 4 37 47 42 <sup>1</sup> 2 37 <sup>1</sup> 4 47 <sup>1</sup> 4 3.00 8.6 40 43 <sup>1</sup> 4 43 <sup>1</sup> 4 43 <sup>1</sup> 4 27 <sup>1</sup> 3 20 <sup>1</sup> 2 32 <sup>1</sup> 4 32 <sup>1</sup> 5 124 8.0 8 3512 20 <sup>1</sup> 2 28 <sup>1</sup> 3 20 <sup>1</sup> 2
14 14 Principles  14 14 15 15 125 125 125 145 15 145 15 15 15 15 15 15 15 15 15 15 15 15 15		-     -     -     -	21 1/2 21 1/4 invation 211 22 1/4 26 5/4 26 5/4 26 1/4 26 27 28 5/4 27 27 27 27 27 27 27 27 27 27 27 27 27
111. 77 Februher 13 12 50 51 57 52 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		26 14% Petrovena 16 185 etc. 234, 25 +14 456 2862 Petrovena 6.84 1.9 1612803 4014 4556 4814 +14 852 414 71 73, 73, 73,	10% 10% No. 100 1.2 371130 334 33% 33% 23 13% 13% 13% 13% 13% 13% 13% 13% 13% 13
30° 2   Frederick   1.0		114, 79 Facilities 13 125 94, 87, 87, 4, 1 357, 2011 Fed Hon Ln. 0.40 1.1 22 9545 954 35 25 4, 1 254, 267 Fed For 7, 1.65 6.5 22 2512 25 257, 25 4, 1 57, 64, Fedom - 0.00 1.8 10 254 94, 8 54	11% 8% marsh 180 10% 10% 10% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5
Section Colors   1.00   1.01   1.01   1.00		57'g 42 FedBap 10 1255 64's 34 54's 1g 50's 50's 50's 50's 50's 50's 50's 50's	184 184 185 195 19 1 2 2 5 1.5 18 2180 17 17 17 17 184 44 18664 14 5 47 5 184 184 185 185 185 185 185 185 185 185 185 185
30 214 for them of the control of th	1	30% 25 Perm Corp x 0.72 1.0 16 723 35% 37% 35 -10 1	31% 64% MAIX 0.50 0.9 1428515 EV 60% 37% 4
28 124 Services 1 180 2 1 12 2016 604 604 1 20 20 114 144 144 144 144 144 144 144 144 14	H	184s 10 PHISION SS 20 10 PM 134s 154s 1	434, 255, 347 m z 1.00 20 6618544 6504, 434, 505, 4 31 47 m m z 0.78 1.0 22 661 605, 604, 604, 604, 605, 435, 505, 435, 635, 435, 635, 435, 635, 435, 635, 435, 635, 435, 635, 435, 635, 435, 635, 635, 635, 635, 635, 635, 635, 6
Series   222   25   16   2784   214   205   214   15	14	19 1379 First Par 0.21 1.2 388 1779 1779 1779 +12	21 13% bearson 0.18 0.5 16 102 021 20% 20% 20% 30% 27% bearson 2 208 7.2 10 22 23% 20% 20% 20% 20% 20% 20% 20% 20% 20% 20
22 25 Femile 10	1	50% 72% Fortingers 2.22 2.5 14 2764 21% 60% 21% 1% 14 14 14 14 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	87, 64 let leater 152 73, 72 75, 213, 144 leater 25 452, 453, 453, 453, 453, 453, 453,
24 25 Februs 2 10 21 15 90 25 4 22 27 1 4 1 15 1 16 2 2 1 1 10 4 2 2 1 1 10 4 2 2 1 1 10 4 2 2 2 1 1 10 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	20 24 1 FiedEr 0.54 2.2 12 786 28 2 28 28 28 4	32% 86% junion Ent 1.00 3.2 15 864 21% 20% 21 4 16% 14 km km 0.22 1.4 6 16% 16% 16% 16% 17% 17% 11% isomethr 18 98 16% 16% 16%
74 Sept Peter 1 3 SSS 742 776 774 74 74 75 324 104 Peter 1 3 SSS 742 776 774 74 74 524 Peter 1 5 SSS 742 776 774 74 74 524 Peter 1 5 SSS 742 776 774 74 74 74 74 74 74 74 74 74 74 74 74	1	124 25 Fabrus 210 7.5 11 960 264 2274 2774 - 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	81 41 41 Cp 25 2708 56 58 58 58 58 58
201   201	2 2 3	\$79, 4612 Plant   \$1.50 1.6 18 4516 5414 56 5614 444	the contract of the contract o
11   10   Francisco   1.00   1.07   1.07   10   10   10   1   10   10   1   10	3	27 125 87 87 83 83 83 83 83 83 83 83 83 83 83 83 83	12 kg statements 6.32 27 18 222 12 11 kg 11 kg 4 22 22 22 42 11 kg 11 kg 4 22 22 22 42 11 kg 11 kg 4 22 22 22 22 22 22 22 22 22 22 22 22 2
22 2005 474 467 474 474 474 474 474 475 475 574 575 675 675 475 680 77 54 5 5 5 4 5	1	Fig. 64 Frank Pr. 0.24 0.1 223 1873 64 67 44 1874 44.5 Prent Pr. 0.25 0.5 23 1237 6874 68 8813 44	66% 614 July 1.50 2.5 13 1445 65 644 644 644 644 644 644 644 644 6
3012 2512 FARCEA	١,	22 2056 474 657 474 658 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 474 657 657 657 657 657 657 657 657 657 657	12% Ph. Joseph 0.12 1.1 20 11% 11% 11% 11% 45% 35% Joseph 2 0.00 2.0 18 2214 65% 45% 40 4 62% 45% Joseph 2 0.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.00 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2
18   18   18   18   18   18   18   18	3	13 <sup>1</sup> 2 25 <sup>1</sup> 4 FMACSA 0.50 3.3 24 (65) 27 <sup>1</sup> 3 26 <sup>1</sup> 3 27 M <sup>2</sup> 3 28 <sup>1</sup> 2 FMACSE 0.50 8.2 12 1360 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 27 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 28 <sup>1</sup> 4 2	
90 76 Nath 45 4.50 4.7 20 20 14 27 24 25 25 25 25 26 26 26 26 27 2	11	181200 354 359 374 -14 181200 354 359 374 -14 181200 354 354 354 354 354 354 354 354 354 354	314 254 KINADER 1.02 3.5 48 284 284 284 4
50% 67% 680% 7 1.02 83 27 14 27 680% 7 1.02 83 28 714 27 680 67 1 1.02 83 28 714 27 680 67 1 1.02 83 28 714 27 680 67 1 10 10 10 10 10 10 10 10 10 10 10 10 1	ľ		20 70 Nat 7 45 450 47 20 85 85 95 21 21 1 45 25 25 25 25 10 10 10 10 10 10 10 10 10 10 10 10 10
18 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		87, 47/2 SATXx 1.84 3.3 11 465 55% 55% 55% 35% 35% 3.5%	20% 27% NanOyF x 1.52 89 28 714 27% 627% 27% - 16% 15% NanOyS 4% x 1.50 5.7 9 617% 18 17%
SP4   774   Grantity   7.44   7.8 20 3084 0054 0054   954   958   224   84 (ellipsis   1.68   2.1 34 7669   87   28 Capter   0.20   0.8 22 7945 15954   35 3844   41   27   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   224   27   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   18 (ellipsis   1.68   2.1 34 7669   87   17   17   17   17   17   17   17	11	274 1874 5012 F1 25 125 55 20 37974 1974 1974 1974 1887 1887 1887 1887 1887 1887 1887 18	157, 12% Resident 0.50 1.9 502 0157, 157, 157, 157, 50%, 41% Review 0.55 1.7 16 109 0507, 50%, 50%, 50%, 50% 0.50%, 50%, 50%, 50%, 50%, 50%, 50%, 50%,
	4	6월 77일 Genetaly 2 1.44 1.3 22 3064 006년 25년 1명 6월 22 Geneta 2 0.30 0.8 22 73년 198일 2 32 3년 4월 6월 20일 Genetalon 0.40 1.8 22 1888 22년 22 22일 6월 34일 EC Coa 20 18 44일 44일 44일 4년	224, pk Kelege x 1.88 2.1 34 7669 67 12 767, 803, -1. 273, 195, keleges x 0.04 2.4 15 226 274, 265, 27 114, 10 Aero Meter x 0.67 2.2 247 104, 105, 105, 104, 92 kenper H x 0.00 8.9 462 194, 18 104,
( d 12 mm) prom 57 11 to 514 . 51 514 +48 i 12-8 15-5 emba entr 525 91 329 12	. 2	54, 175, Secon) 8.80 2.8 11 749 214, 21 214, +3, 1	13% 12½ Semper Mas x 0.37 6.4 280 13% 13½ 73%

	-H-
	241- 161- HKTH ABR x 0.08 4.5 17 2249 211- 211- 211- 211-
	4513 3041 (1955) 150 150 150 150 150 150 150 150 150 150
	16 <sup>1</sup> / <sub>2</sub> 14 <sup>1</sup> / <sub>3</sub> Hook ho 1.20 7.8 19 32 18 <sup>1</sup> / <sub>3</sub> 15 <sup>1</sup> / <sub>4</sub> 15 <sup>1</sup> / <sub>3</sub> + <sup>1</sup> / <sub>3</sub> 21 <sup>1</sup> / <sub>4</sub> 19 <sup>1</sup> / <sub>4</sub> Wook kin 1.30 7.8 27 17 25 <sup>1</sup> / <sub>4</sub> 20 <sup>1</sup> / <sub>3</sub> 25 <sup>1</sup> / <sub>4</sub>
١	17% 13% Handy Harra 5.24 1.4 B 187 17% 17 17 -%
	24½ 19½ Hammad x 0.42 1.8 17 503 21½ 22½ 23½ 2½ 2½ 35 50% Hammad x 0.54 1.8 79 105 50% 34% 35% 4½ 27 10½ Hammad x 0.58 1.4 2478 28 25½ 30 4½ 45½ 42% Hammad x 0.72 1.5 18 755 48% 48% 48% 4%
	35 10% Harturd 0.30 1.3 875 23% 22% 22% -4. 47 25% Hartury Day 0.28 8.0 25 2550 ur7 44% 46% +-2
	58 <sup>1</sup> y 52 <sup>1</sup> y Henrich 0.40 1.5 16 1213 41 <sup>1</sup> y 40 <sup>2</sup>
	207, 2074, Harmon F. 1.52 1.7 HE 2771 HEFT MAY 2174 +172 . 207, 2074, Harmon C.50 2.5 18 464 3072 3072 3074 +12 . 21. 2073, Harmonica C.60 6.3 27 100 2073 3074 3074
	21 1 247 HERES 1.00 1.0 7037 HER 81 1, 82 1 41 52 1 44 HISSER 2.20 4.4 20 471 52 1 52 1 52 1 52 1 1 1
	101g 6 Harter 0.00 0.3 14 355 6 1 6 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	20% 17% Hitchet 1.44 7.8 18 1805 18% 18% 18% 18% 4% 4 57% 18% 18% 57% 37% 54% 4% 18% 54% 4% 18% 54% 54% 4% 18% 54% 54% 54% 54% 54% 54% 54% 54% 54% 54
	21\square 11\square \text{Homomorphis} \qquare 605 \qquare 21\square 21\square 21\square \qquare 21\square 21\square 21\square 21\square 21\square \qquare \qquare \qquare \qquare 21\square 21\square \qquare \qquare \qquare \qquare 21\square \qquare \qquare \qquare \qquare \qquare \qquare \qquare \qquare \qquare \qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq
	1.18 25 2210400 46% 44% 44% 44% 44% 44% 44% 44% 44% 44%
1	40 374 Houses x 1.00 2.1 13 2865 674 6872 67 478 5874 6874 6874 6874 6874 6874 6874 6874 6
	80 48 <sup>1</sup> 4 New Yor 0.55 1.1 793498 52 <sup>7</sup> 4 61 <sup>2</sup> 5 52 <sup>1</sup> 4 - <sup>1</sup> 4 22 15 <sup>7</sup> 8 Heach 180 18 <sup>5</sup> 9 18 <sup>3</sup> 9 16 <sup>3</sup> 4 + <sup>3</sup> 5 72 <sup>3</sup> 4 51 16 <sup>5</sup> 6 4018330 58 <sup>3</sup> 8 55 <sup>3</sup> 8 52 <sup>3</sup> 4 + <sup>3</sup> 34
	14% 12% Hounds A 0.32 2.2 18 1933 14% 14% 14% 14% 14%
	244 175 Harasa 105 214 204 21 44 154 154 154 44
	1074 MANDERS 179 07 20 100 e/15 1124 1124 4
	892 474 Houses 2 0.50 0.4 25 890 1.685 854 854 854 152 165 174 Houses 2 0.50 0.4 25 890 1.685 854 854 854 152 165 175 175 175 175 175 175 175 175 175 17
	827, 211, handel ARE 0.22 0.4 16 121 501, 507, 501, 31, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32
	187, 183, respect to 78 3777 120 183, 187, 187, 187, 187, 187, 187, 187, 187
	197 6% Hallandy 24 406 10% 197 197
	21\(\frac{1}{6}\) \$27\(\frac{1}{6}\) Homeonic of QSF 1.6 21 128:461\(\frac{1}{6}\) \$57\(\frac{1}{6}\) \$15\(\frac{1}{6}\) \$1\(\frac{1}{6}\) \$1.00 1.0 1.0 18 2503 103\(\frac{1}{6}\) \$103\(\frac{1}{6}\) \$103\(\frac{1}{6}\) \$1\(\frac{1}{6}\) \$1\(\fra
l	45% 50% NAMOS 1.04 2.3 20 331 45% 44% 40 -42 21% 14% NAMOS 0.08 6.5 17 354 15% 15% 15% 15% 14% 15% 15% 15% 15% 15% 15% 15% 15% 15% 15
	43 30 12 Hagtes Sup 0.44 1.1 12 65 39 2 39 39 39 12 +4 24 24 17 12 12 12 12 12 12 12 12 12 12 12 12 12
-	184 184 Hart Mr.C 0.36 25 14 21 185 185 185 44 185 185 44 185 185 185 185 185 185 185 185 185 185
I	
	28 22½ BP locx 0.18 0.4 73 4557 34½ 23½ 23½ 4½
I	134, 0-2 PThs 2.00 18.6 2 169 107; 194 194 124 124 124 125 1172 114 +4
	21/3 25/2 Marto Perr 1.50 0.1 13 363 30/3 25/3 30/3 3/4 3/3 13/3 30/3 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3
Í	30 20 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
I	
1	31 2 20 FFG 2 279 68 30 21 31 31 37 36 30 48 37 36 37 36
١	37-2 20 17-12 279 8.8 30 21 31 31 37-13 37
	3742 27 8 7 4 2 279 0.8 30 21 37 37 37 37 37 37 37 37 37 37 37 37 37
	371-2 27 8 74-2 279 0.8 30 21 37 37 37 37 37 37 37 37 37 37 37 37 37
	371-2 27 8 7 4 2 279 0.8 30 2 31 31 31 37 57 57 57 51 51 51 51 51 51 51 51 51 51 51 51 51
	371-2 278 1742 279 08 20 21 31 31 37 37 37 37 37 37 37 37 37 37 37 37 37
	371-2 27 8 17-12 279 0.8 30 2 31 31 31 37 37 37 37 37 39 37 39 39 39 39 39 39 39 39 39 39 39 39 39
	371-2 27 8 17-12 279 0.8 30 21 31 31 31 37 37 37 37 31 31 37 37 31 31 31 31 31 31 31 31 31 31 31 31 31
	374 2 28 8 74 2 279 0.8 20 2 31 31 31 37 37 37 39 37 39 39 39 39 39 39 39 39 39 39 39 39 39
	374 2 28 8 74 2 279 0.8 20 2 31 31 31 37 4 67 52 5 8 6 6 6 4 1 1 27 5 8 6 6 6 6 4 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	374 2 28 8 74 2 279 0.8 20 2 31 31 31 37 4 67 52 5 8 6 6 6 4 1 1 27 5 8 6 6 6 6 4 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 1 1 1 27 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	374 2 28 8 14 2 27 9 0.8 20 2 31 31 31 32 1 32 1 32 1 32 1 32 1
	374 2 28 8 1 4 2 5 12 1489 5 7 5 5 7 5 7 4 6 7 5 7 5 7 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	371-2 27 8 174-2  279 038
	371-2 27 Briefer  377-379-38 Briefer  47-42-2 Briefer  47
	371-2 27 8 174-2 279 0.8 20 2 31 31 31 37 37 57 59 59 50 50 50 50 50 50 50 50 50 50 50 50 50

2	123	7.	MCH# MCC Hidge	0.12	1.4	8	154	83	294	812 2412	
*	97	45.	1455 (San 14 1455 (San 14 1452 (San 14	1.11 0.53	7.5	12 18	188 229 172	83 293 383	San Back	84. 22 50	少年 人名英格兰斯斯斯特斯斯特斯斯特斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯
4	- 41	27°	MESA Grand MacRagge	1.00		20	1201	307			4
	35 <sup>3</sup> 2	2614	Magne Grp Magnetak Madagata F	x 1.00	31	18	1591	and.		- [ 04	+30
•	16% 16% 44Å2	344	Malgala F Minkst X Michae X	0.00	1.7	15	255 1357	153 301 452	327	15 <sup>3</sup> g	1
	214	214	Methoc X MeserC Mercoll X	0.57 0.09 0.18	6.5	25	955 1712	454 454	3012	21	1
į	41.	-1-	-	0.10	7.7	8	254	37	34	27	+4
	75	53	Meters X Mark N X	0.30	4.0	11	108	23,5	7/2	712 234	4
	137	65°-	Market.	2,50	u	25	1096	135 <sup>1</sup> 2	155%	130 <sup>1</sup> 2	+14
	3434	23 4	MescsC	0.80			57 2542	36 <sup>7</sup> , 26 <sup>1</sup>	30%	四門に ちゅうない こうかん はいからない かんな 田田 からくなる	+4
•	18	27	idence(P) idente(P) idente(P) idente(P)	2.84	82		3631 48 21	21 lg 97s 297s	114	94	
•	1954 1	34 <sub>0</sub>	Markel Marindala		0.5	14	107	14 ME 25 ME 25	144	14%	+3
•	1612	23 %	Material Marerian	0.28	0.9	27 :	152 152	154	26 <sup>1</sup> 2	15 <sup>1</sup> 2	+1
	274	104	MayOSX # Maytag X	1.20 8.54	2.5	16	2018 2118	274	274	21/2	3
7	252	3.21	MENA 4 MEDICINE I MEDICINE 2.2	0.40	13		58 131	<b>20</b> -1	70 2	387	-4
	2114	291		2.50	U	14	29	- 23	33	33	-4
	714	2 P	Michello &	0.40		212	0132 4385	30 kg	694	R67.	+4
1	76-2	214	Marieri z Marieri z	1.00	1.3		7854	167 <sup>1</sup> 4	78	767	1
1	40	35.5	Medical P	1.20 2.85 0.30	7.6	.14	750	274, 784	641 <sub>2</sub> 371 <sub>6</sub> 775 <sub>8</sub>	新元年 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本 日本	大本 七十次十十十十
:	414 2	100	Matric Materia Matricipa Matricipa	0.50	1.5	11	279 5074	45	44	2012	3
	nl <sub>2</sub>	F-1	Libratus .	1.76	20		21	1912	83.	55	•
	10	14	MercSt x Merck X Mercury Fo Mercury B	1,88	1.8	33	rn Nn	24	2 <sup>1</sup> 2 74	257	+1 4 + 8
	28-7	77.	TOTAL T	0.20	1.0	23	1093	2744. 273	77	274	+
	8 <sup>1</sup> / <sub>2</sub>	45	Mercyo Mess Mess	0.80	1.4	16	(028) (028)	51 <sub>2</sub>	567 57 191	35 5 4 20 10 47 30 2 4 5 5 4 10 10 22 11 22 25 14 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12	我是 我我 一大大小山 上 我 上上 我是上午大大大大
1	20-4 1	18 <sup>1</sup> 2	Mone Mountal Tut Montals Inc Medico Fd	0.82	3.4	12	22	107	19 <sup>1</sup>	20 193 <sub>8</sub>	+4
١	40 3	46	MEC BY	0.19 0.10	0.2 0.5	20:	6235 1635	40 k	18 47/2 38/2	47 <sup>5</sup>	-14
	11	1	PSAMETER MARAET NORMETER METERS CA METERS	0.80		20	113	034	3812 167 1819	214	4
	17 <sup>2</sup> 20 <sup>1</sup> 2 45 <sup>3</sup> 9 :	15 <sup>4</sup> 8 16 <sup>3</sup> 4	Marie Ca	1.20 0.80 0.35	3.0	25	967 1942	19%	184	19%	+12
'	257	80	Mayo Res	212		22	1930	197 435 435 28	83-2	223	4
.	274-2		ACTO ACCEPT ACHERS :	0.40	1.8 2.1	10 11	210	214 254 554	27 25 25 25 25 25 25 25 25 25 25 25 25 25	217	4
	241 <sub>4</sub> 1	43	Micher Billion Micher Corp	0.00	23	11 17	17	23% 5%	52	512	7
	147		itolercular Secretaria	0.20	23	17 (	593	07	1	D.	+
ľ	237	21	Magailo X Marakasa Pa	1.80	14	273 18	470	221	2212	81 441 225	-15
۱	185- 1	72	Street, St.	1.40	7.0		20	173	1722	175	4
1	113 4 9	3 e I	Moore Corp Mrgn.P MorgenGren	3.52	87	1Z 3		1186	1001	118	-14-
١	50 b 7	744	Coop P P	5.00	8.2 1.8	12	-01	ولاوا ولاوا	80	10% 8012 1012 851 4812 134	+16
1	44 3	24	itorgan Kgn itorgan Pr igSESW z	0.50	1.3	10 131	36	45	5 <sup>1</sup> 2	4312	+12
ı	143g	511	igSEW z Azzilosid Grain infinsi z	0.40	0.7	305	702	144	1975 6674	134 184 97	+21
١	111 1 841	D+2 I		0.74	0.6		127 t	1114	114	1144	٦,
١	154 1	1,51	tyles Late CYR Gp z	0.18	1.0 1.3	291 11	12	16%	475g 15 147g	184 143	+14 -4
1											
1	E27. 0	· .	Mu Para u		- 1				_		
1	477. 3	2	ICH Corp z NabiacoA IAC Ru	0.24	1.7	14 3	40 180 247	404	407	63 <sup>1</sup> 2 45 <sup>2</sup> 8	14 14 11
۱	367, 8		Medica Can	0.78 1.00	1.5	11	180 516	31 <sup>1</sup>	214	574	-12 -12
I	13 1	14 J 75 S				•	-	12	117	12	+4
١	26A 1	3	letrišk z Policjej jiho	1.版	7.3	1621 13	309	213	212	2112 2112	4444
1	54 - 4 47 - 3	2 1 <sub>2</sub> 1	reitsetfür int Austra KSity EDate	8.42 1.54 0.20	3.2 0.7	16 2 33	082 217	224 224	214	5872 2712 7712 4512	17
1	447 I	24e A 34e N	et Educh	1,53	10	**	40	-	or T	CUT.	+34
I	401 <sub>2</sub> 3 321 <sub>4</sub> 2	53 N	nt Propin	2,00		17	28	374	43 44 44 45 44 45 44 45 45 45 45 45 45 45	27	4
I	85 <sub>0</sub>		Electi Electy et Stand Stand	0.18	2.7 :	*	23	19	444 65 2	- 06	-1
ł	164 80	8 N		6.00	. :	<b>5</b> 8	290 11	184	163	17 <sup>1</sup> 4	3
١	28 2 2 20 4 1	24 N	eimen jäer letuurk Sc		-	15 !	202 534	15	17	594 245 174	-
ŀ	21 11 54	64 H	PROFESSION PROF	0.561	7.9 ·	12 1	236	2012 4514	201	203 5 261 <sub>2</sub>	
1	2974 11 35 - 3	L N	Engill x	230	4	18	354	344	3612	343	
١	33 2	a N	ion (Franty ion Jey fits inflately	1.00		14 3	218	15 <sup>1</sup> <sub>4</sub> 61 <sup>1</sup> <sub>4</sub> 22	15 31 4	314	7
-	244 2	, K	SEC		66	502	283 501	21-4	217 214 404	22 214	1
-	36° 35 27° 2 16	Pa K	estell estell	0.40	1,7 ( 1,9 (	22 Z	306 164	361 <sub>2</sub> 211 <sub>4</sub>	374 214	37%	-4
I	40 21	15. 24	eseció x eseción x eseción	0.48	13	N 6	765	266	37	38-4	+1 <sub>0</sub> +3 <sub>0</sub> +1 <sub>4</sub>
	22 17 43 <sup>1</sup> e 11 <sup>1</sup> e 78 <sup>1</sup> e 21	27 N	ens Corp legis3.6 x	0.70		5 4	18	417	411.	4112	+14
1				0.40			133 777		#4.	Ble.	+
1		4	pace led Lind	1.80	• 4 •	× 4	389	18%	125	12%	+4 +4
	50.32	ila k		<b>0</b> ≥10	-	3 6	755	Z/4	401. 207	51	4
	50 32 23 15 15 14	ile ile Pe ile Lie ile	ociački oceně z	0.28	10	<b>10</b>		161-	4.0	181-	
	23 2 23 15 15 14 45 2 98 8	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	octadral octache z oct Rea octache	0.28 2.40	1.0	(U)	63	34	314	314	
	50 32 23-15 15-14 25-26 26-26 27-27 27-27-27-27-27-27-27-27-27-27-27-27-27-2	<b>以外,以外,所以</b>	ochačká ochačká och Rea ocháč z ochá Hydr ochák loc	2.40 0.84 0.18	23 1 14 1 04 1	B 13		314 314 354 54 54	374 975 334 244	34 974 524 244	-3g
	50 32 23 15 15 14 45 2 26 5 57 4 27 17 22 18	<b>以为此为内乃及</b>	ochačká ochačká och Rea ocháč z ochá Hydr ochák los ob Fork	2.40 0.84 0.18 0.50	23 1 1.6 1 0.4 1 22 1	(B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C		314 314 54 28 274 01e	31 <sub>4</sub> 975 <sub>4</sub> 591 <sub>4</sub> 211 <sub>4</sub>	34 974 524 224 224 81	-1 -4 +4
	50 32 23-15 15-14 25-26 26-26 27-27 27-27-27-27-27-27-27-27-27-27-27-27-27-2	以为这次内有及 不 以 本 的 的 的 的 的 的 的 的 的 的 的 的 的	COMOUNI COMOUN	2.40 0.84 0.18	23 1 1.6 1 0.4 1 2.2 1	15 13 14 15 13 12 12		314 314 54 28 2214 616 4876	314 9752 5314 2414 2114 4815	34 974 524 244 221 <sub>2</sub>	
	50 32 25 15 15 14 45 2 95 84 57 4 27 17 22 16 14 1 46 4	以为这次内有及 不 以 本 的 的 的 的 的 的 的 的 的 的 的 的 的	COMOUS COMOUS X COMOU	2.40 0.84 0.18 0.50	23 1 1.6 1 0.4 1 2.2 1	15 13 14 15 13 12 12		314 314 54 28 2214 616 4876	314 9752 5314 2414 2114 4815	34 974 924 224 224 484	-1 -4 +4

		_	P	- (	Q -			
	5812 485 PPG ID X	1.32	2:	3 14 7	1801	134	127	5
	14 <sup>1</sup> 2 12 <sup>1</sup> 4 PS Group 15 <sup>1</sup> 4 14 <sup>1</sup> 4 Pac Am Inc.	z 1.16	7.5		45	151	111	
ı	14% 11% Pec Scien z 46% 40% PecCat z	1.20	26	14	801	U464	40	4
	21% 19% Policy 33% 29% Pacient 33 27% PalaeW z	1.52	4.5	14	770	23 kg	127	3
	33 2714 PalneW x 2614 2614 Pall	0.80	24	10	2862 3502	- 24	20.	2
l	47% 41% Pan En x 265 21% Park Bake	0.98	21	H	3870	40%	25 -	- 2
ĺ	11 71 Parkir	8.80			2300		04	
ı	67 <sup>1</sup> 4 37 <sup>1</sup> 4 Parieto 48 <sup>3</sup> 8 34 <sup>3</sup> 8 PayteseSh			18	1324	L/49	40	
	26 <sup>3</sup> a 16 <sup>3</sup> a Paccési x 80 <sup>3</sup> a 56 <sup>3</sup> a Paccési x	1 80	2.5		29	88	- 43	
	521g 44% Penney 271g 511g Penney x	120	X.	34	73	274	51 % 20 % 37 %	20
	63 <sup>1</sup> 2 45 PmOli x 35 <sup>1</sup> 3 27 <sup>1</sup> 2 Pentair	1.00 0.54	1.8	17		344	34	
	27 <sup>1</sup> 4 61 4 PeopEn 25 27 <sup>7</sup> 6 Peo BoysM	1.88	4.9		1027	1039.4	2712	X
	383 <sub>2</sub> 285 <sub>2</sub> Peoples x	0.50	1.3	21	31801 1061	314 37%	304 364 734	37
	14% 10% Parkins Pm	1,30	11.7		584	114		
	4% 4 Permiss Be: 37% 21% PelPes	0.80		52	72	3512	35-1	
ı	25 21 2 PG&E	1.36	21	14	4298	235		21
	411g 2712 Photolip 667g 3712 Photolip z	1.00	11	12	34406 2288	3514	3412	34
	20% 15% PailSubon 46% 36.64 PoMorrx	1.80	43	17	121 78318	10½	181	18
	31% 30 Phillipsell 46% 37% Presert	0.07	1.4	18	1757	5912	58°-	50
	14% 111 PMM z	1.36 0.12	1.1	20	4732 558	1412	14	14
	10% 85 Proposition x	0.24	33	17 58	454	10-2	1012	10
	25 <sup>1</sup> 2 22 Pletmonth/3 25 <sup>1</sup> - 18 <sup>5</sup> - Plet 1 imp	1.22	47	14	BYAN	125 k 125 2	24 % 24	25
ļ	23 <sup>2</sup> g 18 <sup>5</sup> g Plar 1 ling 10 <sup>2</sup> g 13 PRAmilikita 13 <sup>3</sup> g 8 <sup>5</sup> g Physican P x	0.33	1.0		114	#16 % 11 %	114	18 11
	27 4 20% Plenen Adv	1.00	8.1	17	750	234	20	33
	30% 24% Pintenton 32% 27% Partico	1.10	3.8		800	90-	20 <sub>1</sub> *	30
	73 <sup>1</sup> 2 87 <sup>3</sup> 4 Plots 13 <sup>1</sup> 2 12 <sup>1</sup> 6 Plots	0.92 1,08	12	20	503 180	70%	79 <sup>5</sup> e	13
	72 <sup>1</sup> 2 53 <sup>5</sup> 2 Pitniyê e 32 <sup>1</sup> 4 25 <sup>1</sup> 4 Pitêr	1.60 8 10	22		1505	21-2	3012	71
	371g 481g Pitting Ax	0.32	0.7	14	126 5086		181	51
	22 <sup>1</sup> 2 15 <sup>1</sup> 2 Pacer Don 1 16 <sup>1</sup> 4 8 <sup>1</sup> 4 Pageoy 6			33	75	13 <sup>1</sup> 4 131 <sup>1</sup> 4	124	12
	31 257s Plum Creek 181 <sub>g</sub> 124s PhGarm	2.20 0.12	0.7		551	173	21 17	17
	44% 36% PAC DE	1,48	3.5	12.	1341 2679	127	794 424	58
	44% 36% PMC Bt 49% 33% Pago Prod 51% 30% Print x	0.12	1.2	23	790 1189	39-2 50-1	383 401	49
	52% 41½ Picythin 51¼ 42% Polytimas	0.42	0.9	22	226 48	52 40	52	52 49
	16% 13% Pope & Tel	0.76	40		<b>ARR</b>	483	154	1
	17 13 PorFd&	0.08	85		232	787 017	16 <sup>7</sup>	16
	45% 20 PSich	1.70	2.5	20	130	31	761 <sub>6</sub>	75
	25% 214 POREP X 24 19 PP&L X	1,68			625 1318		22	22
	53% 42% Prostr z 83% 40 Precision z	844	0.9	24 23	2102	1547g	537	54 61
	537 <sub>2</sub> 427 <sub>2</sub> Prosit x 837 <sub>3</sub> 40 Precision x 267 <sub>5</sub> 191 <sub>6</sub> Present 261 <sub>6</sub> 171 <sub>6</sub> Primark	0.00	1.3	77	986	1517 <sub>2</sub> 1517 <sub>2</sub> 1587 <sub>3</sub>	271	21
	4 140000000			1	-	-	1	139
	1411 <sub>4</sub> 1005 <sub>8</sub> Procisis 821 <sub>6</sub> 325 <sub>8</sub> Process Ob x 371 <sub>6</sub> 281 <sub>6</sub> Processiti	0.24	9.3	19	710	H27	31	20.20
	405- 375- Prod 68-	0.00	1.8	18	322	-	36 <sup>5</sup> -	36 45 50
	39 <sup>1</sup> 4 45 <sup>3</sup> 6 Prov Cos x 80 <sup>5</sup> 6 49 <sup>3</sup> 2 Proting x 30 39 <sup>3</sup> 6 PriServ4.08 x	1.18	1.3 1.0	17	120	501	501.	50 50
	2014 22% Publish z	215	6.7		20 3003	31	31 241	
	2012 15% Published	0.00	38	10	504 6933	183	17%	18 27
	301 <sub>6</sub> 257 <sub>6</sub> Publisher 28 231 <sub>2</sub> PagetS	0.68 1.54 0.32	7.5	17	470	24.4	27 <sup>1</sup> 4 24 <sup>5</sup> 2	24
	314 414 Putter 344 274 Putter 185 Ple Putterstighty	444		14	229	3312	31 <sup>1</sup> 4 35 <sup>1</sup> 4 19 <sup>1</sup> 4	31 33 10
	185g Bile Putantingty 75g 75g Putantings 141g 193g Putantings	0.80			180	72	71	7
	11% 19% Patriam Min	5.70	8.6		5	1114	14%	14
	63 8 Primariles	0.75	8.8 8.0		110 627	118.7g	83g 85g	3
	413 SAS Desiros	1 14	6.5 2.5	34	2018 815	41 2	14%	41 14
	281 <sub>2</sub> 231 <sub>5</sub> Camerol z 42 241 <sub>4</sub> Camerol z	0.40 0.80 1.22	21	11	767	29°	28 <sup>1</sup>	28
	26.80 1935 Quark Rity x	0.24	1,0	10	161	235	2312	

30°2 25°4 84454A4 74°5 31°5 37°3 7453 14 11°4 Santya Fa 22°5 16°5 38491 56 52°4 26°5 38491 56 52°4 26°5 38491 57°4 17°4 12°5 3840 57°4 17°4 12°5 3840 16°5 36°4 16°5 3840 16°5 36°4 16°5 3840 16°5 12°4 95°386 3840 16°5 17°4 12°5 17°4 12°5

0.00 1.8 8 73 224
12 1.20 10.7 113 1114
1.20 1.4 23 1301 853
1.86 0.5 40 16 1853
1.85 0.5 40 16 1853
1.85 0.5 10 13 3767 723
2 0.52 1.1 0 256 28
1.00 0.5 15 15 6763 284
1.00 0.0 1.5 15 6763 284
1.00 0.0 1.5 15 6763 284
1.00 0.0 1.5 15 6763 284
1.00 0.7 18 840 413
1.24 1.3 16 20 1133
1.24 1.3 16 20 1133
1.24 1.3 16 20 1133
1.30 22 18 953 433
1.40 1.3 16 677 187
0.18 1.9 8 2351 1153
1.0 2.5 18 953 1153
1.0 2.7 28 10 1153
1.0 2.7 28 10 1153
1.0 2.7 28 10 1153
1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.1 1.0 2.8 18 953 853
1.

ATTRACTOR OF THE STATE OF THE

23<sup>1</sup>4 23<sup>1</sup>4 12<sup>1</sup>5 12<sup>1</sup>4 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12<sup>1</sup>5 12

	-O-	
	814 744 DHM COD 27 4505 42514 2514 2514 214	
1	net to be decided a 100 42 12 little 44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	251g 181g Otto Depot 3112249 18 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	
	235 194 00052 x 1.50 7.1 0 7.2 172 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	64 5712 CHAREASS 285 02 13 460 42% 42% 42%	
	30% 24% Old Spirit x 152 17 11 1745 40% 30% 40% 12	
	2014 1416 Cheen 0207 0.2 41 1265 2514 28 28 5	
	27 4 44-2 Charles 1 4 4 62 19 18 271 274 274 279 -4	
	3612 3214 Oppenh Cap 3.40 02 17 180 3714 3614 3714 +16	
1	81s 71s Orange Co 0.10 13 10 18 75s 75s 75s 823 70s Orange Co 0.10 13 10 18 75s 75s 75s	
	271g 171c Orpolio 11 3658 221g 211g 211g -1	
1	191, 161, D/261 0.50 3.2 171 164 164 1512 152 157, 91, December 0.16 1.3 37 205 151, 151, 151, 151,	
	31% 21% Owend 18 2753 21% 31% 31% 18	
١	28 <sup>3</sup> 2 23 Oxford led 0.80 3.3 11 180 2412 2416 2418 411	
	.P.Q.	
	5012 465 PPG to x 1.92 2.3 14 1801 6814 5739 5734 +3	
1	15% 14% Pac Am ber x 1.16 79 45 15% 16 13	
1	46% 40% ParCat x 1.80 2.6 14 867 040% 40% 46% +%	
1	331 295 Pecest 152 48 14 776 3316 327 3316 +1	
1	2612 2014 Pag 0.95 2.4 25 3302 24 23 1 23 1 -14	
ı	265 21 h Park Bake 0.32 1.3 15 125 254 254 254 44	
	574 371g Paristin 8.80 1.4 17 3125 4574 5812 57 +16	
1	201 181 Paccenx 1 30 82 0 6490 191 1012 701 +16 201 501 Pampl.A.5 x 4.50 8.5 250 85 68 85	
Ī	521g 447g Penney 2 14 4.1 30 3541 5521g 567g 561g 271g 511g Pennikit x 120 x.8 34 73 271g 281g 281g 281g - 18 631g 45 Pennik x 1.00 1.7 12 2478 307g 327g 581g + 7g	
ı	63½ 45 Pendi x 1.00 1.7 12 2476 80½ 37½ 58½ +½ 55½ 27½ Pendi	
I	25 277g Pap Soyald 11.24 8.0 18 1801 311, 301, 31	
Ì	14% 18% Parking Pm 1 30 11 7 8 584 11% 18% 11% +4e	
ı	434 4 Permian Ba x 0.30 2.5 13 47 41e 41e 41e +1e	
ı	100% 80% PRINTE 1.36 1.8 3415837 187% 106 180% +12	
l	411g 2772 Printipla 1.00 2.1 5434408 35% 34% 34% 34% 44 86% 3772 Printipla 2.80 2.3 12 2280 487% 80% 86% 448	
١	20% 15% Philippin 0.61 4.3 17 121 10% 18% 18% +2	
I	150 3.7 167878 437 424 433 44 45 45 45 45 45 45 45 45 45 45 45 45	
ļ	144 114 PRODUCT R 0.24 3.3 17 454 74 75 74 19 107 107 107 107 107 107 107 107 107 107	
ļ	25 <sup>1</sup> 2 22 Perimonia 122 47 14 332 125 <sup>1</sup> 6 24 <sup>1</sup> 6 25 <sup>1</sup> 6 +1 <sup>1</sup> 8	
١	197 13 PRANSKTA 0.33 1.8 114 #161 <sub>6</sub> 18 181 <sub>6</sub>	
l	2/4 20% Pinto Any 1,00 0.1 17 750 254 25 354 -46	
l	30-2 2-4-7 remoted 24 21 30 30 30 30 30 30 30 30 30 30 30 30 30	
l	19 <sup>1</sup> 2 12 <sup>1</sup> 2 Poorsh 1.08 8.2 180 15 <sup>1</sup> 3 13 <sup>1</sup> 4 13 <sup>1</sup> 4 72 <sup>1</sup> 2 55 <sup>1</sup> 5 Poorsh 8 1.60 2.2 22 1505 m <sup>2</sup> 1 <sup>2</sup> 2 71 <sup>1</sup> 4 71 <sup>1</sup> 4 + <sup>1</sup> 2	
ĺ	32\q 25\q PMBY 8 10 0.3 10 674 21\q 30\q 30\q 32\q 32\q 32\q 68\q PMMBY A = 0.32 0.7 14 128 52 51\q 61\q 1\q 1\q 1	
١	22 <sup>1</sup> 2 15 <sup>1</sup> 2 Prese Don x 0.30 13 73 5000 19 <sup>1</sup> 5 18 <sup>1</sup> 2 19 +16 16 <sup>1</sup> 4 0 <sup>1</sup> 6 Prephys 33 75 13 <sup>1</sup> 6 12 <sup>1</sup> 4 12 <sup>1</sup> 6 -16	
ı	13-2 12-4 Protony 1 1.00 2.2 22 1505 157-2 77-4 77-4 + 1-2 22-2 25-4 Protony 0 1.00 0.3 10 674 271-6 301-2 301-4 27-2 257-2 Protony 0 1.00 0.3 10 674 271-6 301-2 301-4 27-2 252-2 157-2 Protony 0 1.00 0.3 10 674 271-6 301-2 301-4 27-4 22-2 157-2 Protony 0 1.3 75 158-3 159-3 151-2 19 -1-6 164-6 1-6 Protony 0 1.3 75 158-3 159-3 151-2 19 -1-6 164-6 1-6 Protony 0 1.3 75 158-3 159-3 151-2 19 -1-6 151-3 121-4 12	
Ì	147 362 PRE DE 1.48 3.5 12 2879 4274 4214 4214 4214 4214 4214 4214 4214	
l	51% 301g Paid x 0.60 1.2 20 1189 5979 4014 4979 -72	
ļ	517 510 g Parint ; 0.00 1.2 20 1189 523 40 4, 40 3 - 7 527 41 1 Freyalth 514, 427 Freyalth 514, 427 Freyalth 62 2 2 26 524 5 2 523 2 - 7 5 514, 427 Freyalth 62 1 52 1 40 40 5 10 4 1 5 7 1 1 - 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
١	12 <sup>1</sup> g 9 <sup>3</sup> 2 Portacise: 0.32 3.0 8 112 78 <sup>7</sup> g 19 <sup>2</sup> g 16 <sup>3</sup> g 17 19 <sup>5</sup> g PortFoR 0.88 6.5 232 017 <sup>5</sup> g 16 <sup>7</sup> g 17 4 <sup>1</sup> g	
l	17 13% Portrol 0.86 6.5 222 017% 16% 17 +4 80% 71 Portrol 0.86 6.5 222 017% 16% 17 +4 80% 71 Portrol 0.86 6.5 222 017% 16% 17 +4 80% 71 Portrol 0.86 6.5 222 017% 16% 16% 17 18%	
l		
I	24 19 PPatx 1.07 8.4 8 1318 20 1934 1876 -14 5574 672 Prostra 0.44 0.9 24 2102 5574 5575 5414 114 5575 6742 5575 6742 5775 6714 -14 2575 1876 1876 1876 1876 1876 1876 1876 1876	
	00'8 1/4 FFFEET 00 000 00 004 214 44	
1	1411, 1005 Procis 1.00 1.3 25 9000 148 1395, 1395, +1	
1	37% 23% Promotes 27 1172 37 36% 36% 36% 48% 48% 48% 48% 48% 48% 48% 48% 48% 48	
I	82% 52% Promotes 0.24 9.3 19 710 MEZ% 31 30% +1% 37% 52% Promotes 27 1172 37 30% 53% -1% 45% 57% Prottisk 0.60 1.8 18 502 49 40% 40% 45% -1% 50% 100 1.8 18 502 49 40% 45% -1% 50% 40% 45% -1% 50% 40% 45% -1% 50% 50% 50% 50% 50% 50% 50% 50% 50% 50	
1	30 30% PISSON-LDB x 4.08 0.7 20 31 31 51 20 20 20 20 20 20 20 20 20 20 20 20 20	
	20 <sup>3</sup> 2 15 <sup>3</sup> 9 PhiShiendiller 0.00 3.8 10 504 18 <sup>3</sup> 8 17 <sup>3</sup> 4 18 <sup>3</sup> 8 +1 30 <sup>3</sup> 8 25 <sup>7</sup> 8 PatiShor 0.68 3.2 24 8933 27 <sup>3</sup> 4 27 <sup>3</sup> 4 27 <sup>3</sup> 2 + <sup>3</sup> 8	
1	28 22 <sup>3</sup> 2 PapelS 154 7.8 17 470 24 <sup>3</sup> 6 24 <sup>5</sup> 6 24 <sup>5</sup> 7 24 <sup>5</sup> 8 31 <sup>3</sup> 6 41 <sup>3</sup> 6 Pales 0.32 1.0 18 346 152 <sup>3</sup> 6 31 <sup>3</sup> 6 31 <sup>3</sup> 6 31 <sup>3</sup> 6 31 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 4 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup> 7 53 <sup>3</sup>	
1	20 30% Philameter 10.00 8.0 150 150 151 151 251 252 Philameter 10.00 8.0 150 150 1524 1734 1634 163 151 253 Philameter 10.00 8.0 163 1734 1734 163 144 152 1534 Philameter 10.00 8.0 163 1734 1734 1734 1734 1734 1735 1735 1735 1735 1735 1735 1735 1735	
	79 79 Published V 0.00 R.0 180 72 71 73 144 144 145 141 111 111 41 141 141 141	
	93, 8 Putmernilet 0.73 8.5 110 63, 63, 33, 43,	
	41 3 34 0 0 0 0 1 1 1 4 6.5 30 2018 41 2 4 41 4 5 1 16 1 16 1 16 1 16 1 16 1 16	
	15-3 17-3 Consists \$1.14 6.5 20 2018 415 41 414 13 165 16 2018 415 41 414 13 165 16 2018 415 41 414 13 165 16 2018 415 41 414 13 165 16 2018 415 16 16 16 16 16 16 16 16 16 16 16 16 16	

يخامن بومل

FINANCIAL TIMES

PRES DENNE

A SECTION OF THE SECT

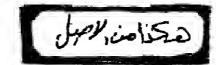
485

100

.

7.

7



#### NYSE PRICES NASDAQ NATIONAL MARKET 4 pm class June 77 THE PV Sts Came Print Chara No. C 1000 Maps Law Last Chara Short Sts. E 1000 Maps Law Last Chara Short DE E ADE DE THE FIRST SHEET DE E ADE THE THE THE THE 21 193 134 124 134 +2 Dotter Gn x 0.20 32 2533 351g 341g 351g +1g RegFatCo 1,80 15 296 61 4 61 4 61 4 + 12 Dorch Him 0.72 16 55 134 134 134 320 1Å 1Å 1Å 36594 2212 21 2114 23 20 2314 2314 2314 Laborone 0.22 59 88 17<sup>2</sup>g 17<sup>3</sup>g 17<sup>3</sup>g 12<sup>3</sup>g 12<sup>3</sup>g 13<sup>3</sup>g 13<sup></sup> 33 1349 51<sup>2</sup>4 51 51<sup>2</sup>8 Deniron 0.58 15 269 28 27 28 +4 Dyminchi 31 x0 363<sub>2</sub> 363<sub>2</sub> 383<sub>2</sub> +15<sub>2</sub> | Limitor S | 28 7279 5814 54 14 5544 - 154 | 1554 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 1 - E -18 442 54 54 512 122 145 143 145 50 Tel x 0.20 17 3275 24<sup>1</sup>2 25<sup>7</sup>2 24<sup>1</sup>3 Becktos x 1.27 16 26 00 594 60 +18 1376 7<sup>5</sup>2 7<sup>7</sup>2 7<sup>7</sup>2 1<sup>7</sup>2 1<sup>7</sup>3 2000751 34<sup>1</sup>4 33<sup>2</sup>3 34<sup>1</sup>2 + 1<sup>2</sup>2 26 1373 32<sup>1</sup>4 21<sup>1</sup>2 32 - <sup>1</sup>4 5657 15<sup>1</sup>2 14<sup>1</sup>2 15 + <sup>1</sup>2 | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Company | Comp Neistres x 0.50 25 3280 48 471 48 Necessar 1 15 40 17 17 17 B9 Bis 61g B1g Telelac Telep Sys | Conductories | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | C 140 1516 351<sub>6</sub> 33<sup>3</sup>8 35<sup>1</sup>8 +1<sup>1</sup>4 72 21 2435 50<sup>12</sup>, 25<sup>12</sup>, 25<sup>13</sup> - <sup>14</sup> 16420 Syst 586 11 10 10<sup>12</sup> - 1413537 74<sup>1</sup>3, 75<sup>1</sup>3, 75<sup>1</sup>3, 75<sup>1</sup>3, 75<sup>1</sup>4 1413537 74<sup>1</sup>3, 70<sup>1</sup>4 73<sup>1</sup>4 7 Minutel x 0.72 21 2435 5012 4912 50 18 GHNY S-g 1120 28 662 420 4 1952 2014 +5 Eyenburne 18 1752 243 233 243 +12 BRC Helgs 41 36<sup>1</sup>2 35<sup>3</sup>4 36 +<sup>1</sup>4 358 Beep x 1,00 13 11 x36 34<sup>3</sup>4 35<sup>1</sup>4 +<sup>1</sup>8 TJ both 0.22 18 392 23% 23% 23% 23% 1044 AO 0.06 16 406 10% 5% 10% Yearly higher and power for MYSE influent the neutron forces Jen 1 1997, -likelines orbitantiles authors, native of effectional arm natural photocomous based on the highest photocomous planes arm purcellicular, of the own yearshy love. PMC price-correlages radio, high-mainer, the sound yearshy high, were-defined or more rights, 364-3661, 2-mainer in 164. Other 17 542 15 14<sup>1</sup>2 14<sup>1</sup>2 - <sup>1</sup>3 0cts <sup>2</sup>4 2310562 22<sup>1</sup>3 21 22<sup>1</sup>4 + <sup>1</sup>3 0cts <sup>2</sup>4 20 453 11<sup>1</sup>2 18<sup>2</sup>4 11<sup>1</sup>2 0ffstrat g 17 5908 20<sup>1</sup>8 18<sup>2</sup>4 18 11<sup>1</sup>2 0globey N x 1.40 8 16 44<sup>1</sup>2 43<sup>2</sup>4 44<sup>2</sup>2 0cts <sup>2</sup>4 1.68 12 3630 u6<sup>2</sup>5 43<sup>2</sup>4 45<sup>2</sup>5 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 11<sup>2</sup>4 Todgo Mar x 0.28 24 416 64<sup>2</sup>4 63<sup>3</sup>2 63<sup>2</sup>2 Tom Brown 39 1060 19<sup>1</sup>2 18 19 84 20 84 64 64 Toolulation 38 1060 1912 18 19 Toolulatio 13 100 75 75 75 Toppe Co 0.28 3221 4 37 31 Transferti 18 65 15 15 15 Transferti 531 31 92 Harkenyel 0.84 13 706 u38 373 3712 -12 814 4 TCBY Balon 8 20 3.3 27 1345 1834 814 614 4712 372 105 Financ 1.00 2.2 18 303 4576 4574 4574 4574 110 814 TCWC4568 0.84 9.5 256 8 878 878 7914 85 TDK COPP Ax 8.43 0.8 91 23 7754 707 7754 12 114 114 115 115 1400 20 114 114 114 114 114 114 115 125 24 814 815 125 24 8374 2375 1357 1774 1872 7787 1872 77 190 à Co 0.00 49 8236 674 65% 65% +2 \* FT Free Annual Reports Service You can obtain the congrt annual reports and 5 available quarterly reports of any companies on the US exchanges with a 3- symbol. To order soports ing (beterathous Access) 1-804-320-8097 or give the passes of the companies whose reports you want and fax your request to (interactional Access) 1-804-320-8135. Reports will be sent the next working day, adject to seekahility. You can also order online at http://www.icbiac.com/cgi-bla/fit. 22 8350 15212 313 515 +34 13 11 1212 12 12 +12 28 1843 1558 15 1512 -18 1450 112 138 118 +18 16 48 1018 979 16 +18 21 37 127 2814 2814 -14 - C -C Tec 69 174 u31 3 30 34 31 34 4 16 CustomusCom(120 17 469 15 12 14 54 15 12 4 14 CustomusCom(120 17 469 15 12 14 54 15 12 4 14 CustomusCom(120 17 469 15 12 13 13 13 13 13 13 13 14 13 14 13 14 13 15 166 64 53 57 14 13 15 16 64 53 57 14 14 Customus 20 828 5 2 43 43 4 15 Customus 0.48 35 160 at 33 0.60 13 2485 20<sup>1</sup>2 20<sup>1</sup>8 20<sup>1</sup>4 -12 2411124 28<sup>1</sup>8 27 27<sup>1</sup>4 -12 0.56 21 192 50<sup>1</sup>4 49<sup>1</sup>2 50 -14 Hariya Tiseno Leb TysFdA x 0.10 28 4323 21 205 2013 -1 Hologic Hon Jode 2411124 29<sup>1</sup>a 27 27<sup>1</sup>4 13 000 500cc 201227 17<sup>2</sup>b 18<sup>2</sup>b 18<sup>2</sup>b 18<sup>2</sup>b 19<sup>2</sup>b 020 20 442 153 15 154 +4 0.80 15 3059 2812 2612 2814 +18 - U -Hurco Co UCHinosta x 1.02 20 661 4251- 237- 241- +14 United St 10 317 4221- 213- 223- +14 51 8712 734 713 72 +1 Columns CEM Co 1326 74 87 7 +4 16 38 6 84 6 +4 3657562 347 34 344 +18 23 24 2 2 1 AMEX PRICES 4 pm close June 17 US Energy US Rob Confector 3657562 34% 34 34% CPGBt x 6.96 18 1223 x31% 21% 21% 257 058 818 958 +18 2723661 8334 7814 8338 +418 | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | County | C P Q P Q P PRICE OF STATE OF ST Stock Disc E 100s Migh Low Close Chap US Servits 32 2 2 2 2 US Tat 0.60 24 530 48 47 47 48 48 +1 Die. E 100s High Low Class Chang PY Sis Dis. E 100s High Low Glose Chaig 15 24 1634 1653 1634 +4 Stock Obs. E 100r High Low Glore Ching Act Magn 15 13<sup>1</sup>a 12<sup>2</sup>s 13<sup>1</sup>a + <sup>1</sup>2 Attinged 6 17 6<sup>3</sup>a 6<sup>3</sup>4 6<sup>3</sup>4 - <sup>1</sup>a Attin Inc 3 45 78 4 12 Apria Ind 146 7<sup>3</sup>4 7<sup>3</sup>a 7<sup>3</sup>2 - <sup>1</sup>a An ter Pa 4.24 6 20 45<sup>3</sup>a 45<sup>3</sup>a 45<sup>3</sup>a Antotr Antot 6 14 14 14 15 33 64 82 62 4 0.64 32 330 112 114 112 0.32 16 7423 29 27% 28 6 13 13 13 0.10 23 5 22 22 22 86 1<sup>1</sup>2 1<sup>1</sup>2 1<sup>1</sup>2 +<sup>1</sup>5 46 312 19<sup>1</sup>4 9<sup>2</sup>8 16<sup>1</sup>8 ItS Intel UST Curp 0.40 12 1927 23<sup>1</sup>4 22<sup>5</sup>8 23<sup>1</sup>4 Ulah Med 0.08 12 20 11<sup>2</sup>8 11<sup>1</sup>8 11<sup>5</sup>8 Health Ch Concal FoA Heice Hmst/l 10 23 5 22 22 22 +1g Pagasas 6 77 197 1713 175 173, +1g Pagasas 6 10 164 612 613 612 +1g PMIC 5293 11 12 13 +1 Uni Telev 0.50 20 30 921<sub>2</sub> 901<sub>6</sub> 903<sub>6</sub> -1<sub>8</sub> Units 16 32 47<sub>6</sub> 47<sub>6</sub> 47<sub>6</sub> +1<sub>8</sub> Crown C.A. 513 15<sup>1</sup>4 14<sup>2</sup>5 14<sup>2</sup>5 - <sup>1</sup>5 1419614 9Å 5<sup>2</sup>5 6<sup>2</sup>2 - <sup>2</sup>6 0.06 13 183 15<sup>2</sup>6 14<sup>2</sup>4 15 - <sup>1</sup>6 99962 12<sup>2</sup>6 .16 10 - 2<sup>2</sup>6 37 674 12<sup>1</sup>5 11<sup>1</sup>4 11<sup>1</sup>5 - <sup>2</sup>6 int Res Crown C 8 hikur Instructo x 0.16 14 172 13 1276 1276 -38 Int. Comm 596 876 876 876 476 +12 Internage 45 161 1376 1374 1374 +12 12077 0374 374 574 +2 Valmont 0.23 25 736 22 21 21 12 20 2 2 2 | Value | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | California | Californ 5162 114 1014 114 +1 020 211120314741421414712 +22 6315 3 3 34 3 4 2 2 25 868 16 2 17 17 17 17 17 17 79 133 2½ 2¾ 2¾ 1½ 1200 1¾ 1½ 1¾ 28 3 3½ 3½ 3½ 1½ 020 25 210 17¾ 17¾ 17¾ 1½ Echo Bay 3612 84 64 64 +26 Ecol En A 0.32 38 158 6 734 8 +26 Edicin Rs 16 316 01854 16 1052 +18 0.20 17 498 2512 2252 2214 -4 JTS Corp XImack Cp 13 110 3/8 3/8 3/8 -2.00 186 491 2 21 4 01 4 REH OCHE Fab India x 0.76 20 7 311<sub>9</sub> 31 31 -1<sub>8</sub> Fine A x 2.20 13 41 643<sub>4</sub> 643<sub>4</sub> 643<sub>4</sub> 443<sub>4</sub> 413<sub>6</sub> Frequency 0.60 15 674 143<sub>6</sub> 135<sub>8</sub> 143<sub>6</sub> +1<sub>6</sub> 1771 181 174 175 38 2 837<sub>8</sub> 837<sub>8</sub> 837<sub>8</sub> -1<sub>8</sub> - W -1 0.40 32 303 24<sup>1</sup>2 24 24 1 0.12 12 107 14<sup>1</sup>2 13<sup>1</sup>2 13<sup>1</sup>2 13<sup>1</sup>2 13<sup>1</sup>2 20 725 14<sup>2</sup>3 14<sup>1</sup>4 14<sup>2</sup>3 13<sup>2</sup>4 40 600 21<sup>3</sup>4 21 21<sup>3</sup>4 15<sup>2</sup>5 8 20 5<sup>2</sup>4 5<sup>2</sup>5 5<sup>2</sup>5 5<sup>2</sup>5 13<sup>2</sup>4 0.68 8 31 19<sup>1</sup>2 19<sup>1</sup>4 19<sup>1</sup>4 13<sup>2</sup>5 15 663 316<sup>3</sup>4 15<sup>3</sup>5 15<sup>3</sup>4 1<sup>2</sup>5 16 15 15<sup>3</sup>3 16<sup>3</sup>4 15<sup>3</sup>5 15<sup>3</sup>4 1<sup>2</sup>5 Wing Lab 1433 20<sup>5</sup>8 19<sup>5</sup>4 20<sup>5</sup>6 +<sup>1</sup>6 Wintelecki 34 791 11<sup>1</sup>8 11<sup>1</sup>8 11<sup>1</sup>8 -<sup>1</sup>8 Wintelecki 1.00 1514513 57<sup>2</sup>8 56<sup>2</sup>8 57<sup>3</sup>6 +<sup>1</sup>2 Watsinof X 0.31 18 197 25 24<sup>5</sup>8 24<sup>7</sup>8 Current 124 15 3884 35 244, 254, CrostA x 0.00 11792 225, 214, 2122 Cross4Sp x 0.00 28820 226, 2121 213 28 20 12<sup>1</sup>4 2<sup>1</sup>4 2<sup>1</sup>4 17 542 28<sup>1</sup>2 28<sup>1</sup>2 28<sup>1</sup>4 28<sup>1</sup>4 Microsom 25 145 48 45<sup>1</sup>/<sub>4</sub> 47<sup>2</sup>/<sub>6</sub> +2<sup>2</sup>/<sub>6</sub> Mechan A x 0.52 13 641 433<sup>2</sup>/<sub>6</sub> 22<sup>2</sup>/<sub>6</sub> 33 +<sup>1</sup>/<sub>6</sub> Microsomia 3172 12<sup>2</sup>/<sub>7</sub> 11<sup>2</sup>/<sub>6</sub> 11<sup>2</sup>/<sub>6</sub> -<sup>2</sup>/<sub>6</sub> | Watisheda X d.31 | 18 | 137 | 22 24% 24% 24% | | Watisheda X d.31 | 18 | 137 | 25 24% 24% | | Watisheda X d.31 | 18 | 15 | 16 | 16 | 16 | | Watisheda X d.31 | 18 | 137 | 25 | 25 | 25 | | Watished X d.31 | 18 | 330 | 20 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | | Watisheda X d.31 | 25 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | Watisheda X d.31 | 25 | | W 8 9½ 9½ 9¾ 16 42 25¾, 20½ 25¾ ½ 158 1 ½ ½ ¼ 187 1259 3374 33<sup>1</sup>2 33<sup>1</sup>2 +2 187 5823 3374 33 3374 +1<sub>8</sub> 1.12 20 20 13<sub>2</sub>2 13<sub>2</sub>2 13<sub>2</sub>2 +2 Visconi 34 204 154 144 147 12 Cambres 0.20 15 65 3912 367, 367, -5, Presche 630 35 45 45 12 Presche 630 35 45 45 12 Presche 630 35 45 45 12 Presche 154 3847 875 79 615 -55 PridePt 10 4988 275 205 205 -15 PridePt 10 4988 275 205 205 -15 PridePt 15 373 145 137 137 -5 15 40 Fl2 6l4 6l4 1g CHRICAS 0.01 52 41 41 41 CONSIDER 6 20 24 281 281 281 281 300 13 124 124 5 18 72 74 72 -4 Aproxix 万经接接法 6721134 125 13 NotPatDer Carl Date Jones Mad 0:10 58 1618 044 2 434 44 45 Counsilex 0.50 18 1854 28<sup>1</sup>4 27<sup>2</sup>5 27<sup>2</sup>6 - <sup>1</sup>4 Copyleis 1056 512 516 512 - <sup>1</sup>4 Counsilest 0.30 10 258 30 28 28<sup>2</sup>6 + <sup>1</sup>4 JSB Fin 1.40 17 22 1145 4344 45 Juno Lig x 0.32 14 529 164 164 164 +5 Writing 32195 26 284 267 +1 Writings x 0.52 20 2750 167 187 187 107 +14 0.16 14 383 124 117 1212 2916205 341<sub>5</sub> 331<sub>2</sub> 341<sub>6</sub> CountryCp 814961u187g 151g 16 +13 Cracter 8 x 0.02 24 4740 20 287g 287g +1g WPP ADR x 0,18 22 27 41 12 41 41 14 12 12 13 1301 26 25 14 25 12 12 18/4000 15<sup>2</sup>1 15<sup>2</sup>1 15<sup>2</sup>2 45 5<sup>2</sup>2 6<sup>2</sup>2 6<sup>2</sup>2 6<sup>2</sup>2 30 278117<sup>2</sup>2 16<sup>2</sup>1 16<sup>2</sup>1 16<sup>2</sup>1 12 305 6<sup>2</sup>2 6<sup>2</sup>2 6<sup>2</sup>2 6<sup>2</sup>2 1-<sup>2</sup>2 1257 22<sup>2</sup>3 21<sup>2</sup>2 21<sup>2</sup>2 21<sup>2</sup>2 -<sup>2</sup>2 2039 5<sup>2</sup>2 5<sup>2</sup>3 5<sup>2</sup>2 1<sup>2</sup>3 - K -Have your FT hand delivered in Cross Res K Sadas 0.08340 385 x13<sup>2</sup>4 13<sup>2</sup>6 +2 Karmen Cp 0.44 25 257 14% 14 14% +2 -X-Y-Z-Cybergro Cystx Knilly Grx 0.84 14 251 2572 2772 28 -14 XIImoğ Xircan Xoma Cerp 3150983 47 43% 45% -112 1.04 14 588 39% 38 39% +1 13 104 1738 164 1738 17 8292 12% 11½ 11½ -% 1151 5¼ 4½ 5 KLA-To 2336280 4412 4012 4412 +114 - Maria Yellow 3505 204 204 205 York Rack 15 884 73 84 73 +12 - Ð -ZionsiJiah 0.44 17 6852 3038 294 3038 +78 DSC Cm -8802-24% 2012 234 5 Detailing C.13 81022\_21011\_1022\_2\_12\_1 Detailing 109 362 32\_2 32\_2 32\_3 Detailing 74 271 214\_205\_2 21\_3 Despite(0) 120 181544 445\_442\_445\_ Detailing 0.20 73 45\_42\_45\_ Detailing 0.20 73 73 73 73 73 73 73 12\_3 Detailing 0.24 73 73 73 73 73 73 12\_3 EASDAQ Gain the edge over your competitors by having the Financial Times delivered to your home or office EASOAO is a fully regulated independent pan European Stock Market locused on high growth companies with international aspiretions. The shares of companies on the EASOAO Stock Market can be bought and sold through EASOAO Members. EASOAO Members are made up of Brokers and Banks from across Europe. every working day. Hand delivery services are available for all subscribers in the business centres on sky US88.375 +0.25 5615 12.25 5.975 of Bergen, Oslo, Stavanger and Trondheim. Please call +46 8 791 23 45 for more information. Draply Descon USB\$125 -0.125 4850 8.25 4.375 USB\$10,025 57550 11,125 9.5 FF(16) +1.5 400,079 18 14 USB\$21,825 -0.5 3000 28.5 18,875 US\$10.025 FF.16 +1.5 US\$21.25 +0.5 30530 12,75 10,375 8 71,75 8,125 0 9,125 3,875 US\$11.75 DH Tack -0.5 US\$9.75 US\$4.125 Digitiati Dig Micro Dig Sound Dig Synt Diones Cp Dick Yea Financial Times. World Business Newspaper bon about EASDAQ can be found on the Web site at: HTTP://WWW.EASDAQ.bi Information about EASDAO can be found on the Web size at: In 1 PRIVITATION CANADA CAN be found in Brussels (Tel. 32-2 / 227 65 20) and in London (Tel. 44-171 / 488 8690). 25 154 54년 52년 52년 -1년 581 8년 8 8년 1년

# Dow edges further Paris rises after two-day decline into record territory

# **AMERICAS**

US blue chips paused for breath after their recent stayed below 7 per cent. He record-breaking performance although other stocks still reach 6,000 "sooner rather struggled to keep up, writes Jane Martinson in New York.

The Dow Jones Industrial Average managed to keep above the 7,500-point level, at which it closed for the first time on Tuesday, with an increase of 7.93 at midses-

strategist at Salomon Brothers, said the "path of least resistance" was still higher for the Dow. partly because of the relatively benign outlook on inflation.

"The market has been given two green lights - the Fed's decision not to raise rates and the bond market ployment rate," he said. The next meeting of the Federal Reserve'a Open Market Committee in July could

provide the first hint of

believed that the Dow could than later". However, he was less bullish on technology stocks as the sector entered the traditionally subdued summer period.

This view appeared to echo that of the market. The technology-driven Nasdaq composite index failed to Mr David Shulman, chief match the performance of the Dow again yesterday and fell 5.81 to 1,395.88 by midsession. Several large groups snch as Intel and Cisco posted losses. America Online was also down \$1% or 2 per cent to \$591/4.

The Russell 2000, the index of smaller companies, put in a better performance than the Nasdaq. It was flat at 387.83 at mid-session. The S&P 500 index of larger companies edged up 0.77 at

Market reaction to the deal creating the largest US

Prices would continue to homebuilder was mixed. rise as long as the yield on Pacific Greystone fell \$1% or the 30-year benchmark bond 11 per cent to \$15% after its agreed merger with Lennar Corporation. Lennar, which is also to spin off its commercial real estate arm for \$500m, gained \$3% to \$30.

Sallie Mae, the atudent ing off earlier fears that it losn company, gained \$5% or 4 per cent to \$125% after Mr Lawrence Hough, chief executive, announced he planned to resign this summer. TORONTO traded quietly

in dull volume to end the

morning session little

changed. At the noon calculation, the 300 composite index was off 11.04 at 6,462. Golds pushed higher but most leading stocks moved in the opposite direction. Alcan Aluminium shed 40 cents to C\$51.20 and Seagram came off 20 cents to

ada dipped 20 cants to Among golds, Barrick gained 40 cents to C\$34.60 and Placer Dome added 60 cents to C\$26.40

C\$57.20. Royal Bank of Can-

SANTIAGO rose strongly in ruling in the electrical utila morning of busy two-way trading.

Latio America

Peru

Asia China

South Korea

Philippines

Indonesia

Sri Lanka

Polend\*

been proved right.

helped but the real drive is

46 pesos and rival ntility Endesa gained 1.5 per cent to coming from speculation that an imminent monopoly

Emerging markets: IFC weekly investable price indices

,155.33

782.18

638.37

263.52

241.16

129.79

267.03

125.72

125.82

697.59

182.45

128.61

236.74

214.43

the Tel Aviv stock exchange three months

ago, traders promised that it would not last

long, writes Judy Dempsey. They said shares would soon resume their rise and they have

Last week, the market rose 3.8 per cent,

in average daily turnover that jumped to

Shk266.5m, 21 per cent above the month'a

average of Shk220.5m. The Maof index of 25

leading blue-chip stocks reached a new

high, breaking through the psychological 300 points barrier. The Mishtanim index of

the top 100 shares was not far behind, clos-

ing at 292.63. A year ago, the indices were

TASE shares were underpriced, and urged

domestic and foreign investors to take more

interest. Other factors have also influenced

the market's extraordinarily bullish perfor-

mance. There has been a wave of successful

Analysts have consistently argued that

drifting at about 176 and 167 respectively.

index was up 1.68 or 1.8 per cent et 183.80.

at 4,145.98.

Local currency terms

June 6 . % Change % Change

1997 overweek on Dec 96

. مهـ

ity sector will be favourable." said one broker. Colbun rose 2 per cent to

+21.5

+20.5

. +1.7

+442

When a wave of profit-taking washed over ond largest bank that raised Shk630m, they

MEXICO CITY made mod-

At midsession, the IPSA most of the damage, sliding product and rumours that a

FI 3.20 to FI 113.5, followed closely by Aegon, which lost 1315 - Actuaries Share Indices F13.90 to F1142.9.

CAC 40 index, which ended Fl 156.7 ahead of today's 29.68 better at 2,693.86. Vol- results statement. Hagemeyer jumped F13.00 to shares, but there was no F199.80 for a two-day rise of almost 6 per cent after Gold-Motor giant Renault man Sachs initiated coverage of the shares.

Among second-liners, Pakoutperform" by Lanschot. PRANKFURT was flat as indecisive early trade on as the company said that a ise, recouped 75 centimes at

Upbeat annual meeting options expiry deadline also put a break on market gains. The Ibis-indicated Day fin-FFr10.00 to FFr315 and Eaux ished 0.71 higher at 3,671.87 in turnover of DM10.2bm es widespread uncertainty over monetary union and the domestic political situation

> Preussag picked up DM13.96 to DM514.50 as the steel and engineering group said that it was seeking a friendly takeover of Hapag-Lloyd, the freight and travel

Shares in Altana, the pharmaceuticals group, stormed 7.6 per cent higher to day winning streak with a DMI,910 in early trade on decline of 3.62 to 827.15 on speculation that the group the AEX index. Philips did was about to unveil a new

Y40 to Y5,520.

THE EUROPEAN SERIES On the upside, Ahold Jun 11 with a solid rally for the added a further F1 1.70 to Houry changes Open 10.20 11.00 12.00 13.00 14.00 15.00 Close FTSE Burdrack 100 2385.57 2387.65 2387.62 2386.42 2385.10 2385.67 2386.91 2385.62 FTSE Burdrack 200 2428.87 2428.15 2428.60 2428.67 2428.72 2427.50 2428.57 2428.41 Jun 10 Jun 9 Jun 6 Jun 5 Jun 4 2381.52 2427.66 FTSE Eurotrack 100 FTSE Eurotrack 200

Their wides 1993 (26/1970); Lighting 198 - 2084/2; 208 - 3451.30 Lambury, 198 - 2364.57 200 - 2465.90 1 Partial & FISS International Limited 1967, All rights reserved. share price goal of DM2,800 dend, fell SFr11 to SFr1,814. hoed gained 80 cents to F167 had been set by a broker, CS Group, which had lost ground in recent sessions after an upgrade to strong Subsequently, the shares fell back to close just DM5 after rumoured alliances or higher on the day at DM1.780 spin-offs failed to material-

Wall Street failed to provide subsidiary expected to a lead while next week's Dax receive US approval for a respiratory drug, but it would not be launched until it had concluded clinical tests thet could take several

Gehe gave up DM1.25 to DM123.50 in spite of an upbeat first-half sales and profits outlook. ZURICH spent a second

day of consolidation after the record-setting rises of the previous five sessions. Derivatives-related selling and the essier dollar also contributed to a 53.3 fall in the SMI index to 5,308.6. Novartis, bought in recent

sessions at the expense of Roche, fell SFr36 to SFr2,011. Roche certificates lost SFr65 to SFr13,045. Nestlé, trading ex-divi- after hitting a new intra-

strong performance in the US for its anti-allergy drug, Zyrtec. and said that it hoped to issue it on the Japanese market next year.

UCB spoke of very favourable performances in all its three sectors and mentioned e possible share split to make the shares more acces-

day high of 2,371.02.

Analysts noted that on

Tuesday UCB reported a

STOCKHOLM saw a SKr5.50 rise to SKr291.5 at Ericsson and the general index put on 1.17 at 2,889.86. Trelleborg dipped SKr3.50 to SKr132.5 on news of the Canadian spin-off of its Boliden mining arm. HELSINKI jumped to a

record 3,142.92 on the general index, up 33.38, after a reiterated buy recommenda-tion from Merrill Lynch sent Nokia up FM11.50 to 363.50. ATHENS was enlivened by

the announcement late on Tuesday of the price range for part-floated shares in OTE, the state telecoms company, and early indications of increased interest in the other sectors, which took the

OTE advanced Dr345 to Dr7.450 and the general index finished 34,72 higher at 1,638.56.

bigher at a record 2,362.70. Written and edited by Michael

# **Utility speculation boosts Santiago**

1,310,36

2,199.95

428.34

+89.52 -309.55

122.02

138.10

593.13

132.12

130.99

1,418.75

include Comfy Interactive Movies, a devel-

oper of hardware and software for children.

Shk100m in an IPO that was 33 times sub-

scribed. Significantly, the offering, the larg-

est in the high-tech sector ever recorded on TASE, attracted foreign investors, which

indicated they were returning to the market

Traders say foreign investors account for

12 per cent of activity, up from zero in the

early 1990s but still well behind the levels

of 25 per cent to 50 per cent in other emere-

earnings have also driven shares higher,

not only in the banking sector, but also

"The market can be sustained," said Ms

after several months on the sidelines.

Earlier this month, Comfy raised

:171:38

est progress. At midsession, the IPC index was 3.06 ahead

Bridgestone, meanwhile,

reports that it was expecting

to post an 8 per cent

recurring profit in the busi-

Shipbuilders generally

EUROPE

FFr358.

James Capel.

After two days of declines,

PARIS reversed direction

ume was modest at 10.1m

rebounded, seemingly shak-

might be forced to rethink

plans for capacity cuts. The

shares rose FFr3.20 to FFr131

while components group

Valeo jumped FFr13.20 to

statements got hehind

Schneider and Générale des

Eaux, lifting the former

by FFr5.00 to FFr131, Havas.

in which Eaux has a 30 per

cent stake, rose FFr10.80 to

FFr410.9 following an

upgrade to "buy" at HSBC

Pernod Ricard continued

to power upwards, adding

FFr6.20 at FFr307 as analysts

warmed to the group's soft

drinks supply deal with the

McDonald's fast food chain,

which has 600 outlets across

AMSTERDAM ended a five

shortage of features.

20,282.43.

note, encouraged by New York's overnight record, but foreign exchange movements began driving prices down around midday, as the dollar weakened following publication of data indicating that Japan's April current account surplus nearly doubled from a year earlier.

sector in New York.

Declines led advances 605 to 445 with 201 unchanged. The Topix index of all first-sec-

In London, the ISE/Nikkei 50 index rose 2.38 to 1,584.38. and Toyota Y50 to Y3,390.

heevily sold. Pioneer Electronic retreated Y120 to Y2,720. TDK Y80 to Y8,420 and Sony Y50 to Y9,850. Honda shed Y70 to Y3,320 However, semiconductor-

### **SOUTH AFRICA**

A strong day for financials and platinum stocks pushed Johannesburg'e all-share index 20.6 ahead to 7.286.1.

ing markets. Good first-quarter corporate

Daniella Finn, analyst at Hanot-Batucha. R34.40. And for the moment, unlike the situation late last year, the market seems insulated eased 12.8 to 1,164.5.

# Tokyo slides 1.2% as exporters retreat

Y221. In Osaka, the OSE

Tokyo fell nearly 1.2 per cent as the dollar weakened and sparked a wave of selling in blue-chip exporters, writes Gwen Robinson. The Nikkel 225 average ended 242.62 lower at 20,289.93 after movincrease in unconsolidated ing between 20,633.86 and

ess year to March. Trading opened on a firm Jusco, the supermarket operator, fell Y120 to Y3,990 following the previous day's arrest of its president, a former executive of Dai-Ichi Kangyo Bank, in connection with the scandal surrounding the bank and Nomura Securities, Dai-Ichi Kangyo Bank, however, gained Y30 to Y1,360 while Nomura fell Y10 to Y1,380.

However, some high-technology issues advanced following similar gains by the

Volume rose from 330m. shares to an estimated 396m. tion stocks fell 5.16 to 1,508.83 and the capitalweighted Nikkei 300 was down 1.13 at 290.97.

Export-driven issues were

Amid mounting talk of an interest rate cut, the financial index rose 45.4 to 9.739.9. News of Amplats' plan to merge all its platinum interests sent Lebowa Platiuum up R1.10 to R4.40. Amplats added 40 cents to

· The industrial index rose 3.3 to 8,507.4 while golds related stocks advanced. Heavy Industries up Y6 at ings of a tougher second Advantest gained Y110 to Y531 and Mitsul Engineering half. The Straits Times Y9,300 and Tokyo Electron and Shipbuilding up Y6 at Industrials index lost 21,29 at

average fell 61.96 to 21,160.73 climbed Y60 to Y2,690 on and volume rose to 21.3m. TAIPEI moved lower on profit-taking, slipping 125.98 or 1.5 per cent to 8,267.00 on the weighted index in moderately active T\$122.7bn turn-

The electronics sector fell 3 per cent with Taiwan Semiconductor down T\$4 at T\$130.5 and United Microelectronics T\$3.5 lower at

SINGAPORE was posettled by a sharp fall in Cere. 14,575,16 bos, the food company,

1,993.49, the first time that it has ended below 2,000 points since April 29. Cerebos tumbled to a low

Sulzer continued on an

upward path, rising SFr25 to

SFr1.305 on expectations

that the conditions for the

planned flotation of its

Sulzer Medica business

would be favourable to

BRUSSELS featured a star-

ring performance by UCB,

the pharmaceuticals group,

which surged 11 per cent in

the wake of very positive

comments at Tuesday's

The enthusiasm spread to

market to new highs, in

spite of a spate of shares

going ex-dividend. UCB rose

The Bel-20 index was 10.55

BFr11,050 to BFr111,850.

Sulzer shareholders.

annual meeting-

slightly to end at S\$6,75, down S\$1.25 with more than 2.6m shares traded. HONG KONG finished 97-month low of 521.40. marginally weaker after a

day of large price swings as profit-taking alternated with bargain-hunting. The Hang Seng index eased 18.19 to 14,421.52, having traded between 14,213.95 and

Merrill Lynch, meanwhile, which hit a 42-month low as said that it expected a 10-15 analysts downgraded the per cent correction in the stock after its disappointing market from recent highs trade. The 40 capital index advanced; with Kawasaki first half earnings and warn- and that it was reducing its added 17.42 at 2,384.97.

weighting in the colony in fsvour of Seoul and Manila. BANGKOK closed lower in thin trade with foreign investors mostly sidelined by central bank moves to prevent the repatriation of of S\$6.45 before rebounding baht funds obtained from the bourse. Turnover was minimal at Bt2.3bn. The SET index ended 5.82 lower at a

> SYDNEY closed lower after an afternoon session The All Ordinaries index came off 15.2 at 2,613.7. BHP shed 26 cents to A\$18.66. NAB lost 21 cents to A\$18.77. WELLINGTON rose following strong demand for NZ Telecom, which gained 12 cents to NZ\$7.29 in active

.



When Parmalat made the decision to revisit the Eurolira market

# se sealed it

Parmalat tapped Chase's expertise in international capital markets to lead-manage their most recent Eurobond issue. Less than a year 200, Parmalat was the first Italian corporate to access the Eurolira bond market in over a decade. Once again they turned to Chase, this time to structure and execute a 650 billion lira transaction that had another strong response from investors.



"The Chase team in Milan has worked with us for several years." As we expand globally, Chase combines in-depth knowledge of our business, global presence and access to an unparalleled network of investors to structure and execute transactions for Parmalat worldwide."



CHASE. The right relationship is everything."

© 1997 The Chase Manhatzan Corporation, issued and approved by Chase Manhattan International Limited – Regulated by the SFA.

The products and services testured above are not available to private outstmers in the U.K.

### FT/S&P ACTUARIES WORLD INDICES

IPOs. Apart from Bank Leumi, Israel's sec- from the stalled peace process.

The FT/S&P Actuaries World Indices are owned by FTSE international Limited, Goldman, Sachs & Co. and Standard & Poor's. The Indices are compiled by FTSE international and Standard & Poor's in conjunction with the Faculty of Actuaries and the Institute of Actuaries. NatiVest Securities Ltd. was a co-founder of the Indices.

among chemical companies

obtain pareturings	03	Day 5	POURIC			LOCAL	TOCS.	Gross	UŞ	Pound			Local			Year
show number of lines of stock	Dollar Index	Change %	Sterling	Yen	DM Index	Currency	% chg	Div.	Dollar	Sterling	Yen		Currency 8			
							Oil Gay	Yield	Index	Index	Indax	Index	index	High	LOW	(sizionas)
Australia (76)		1.3	212.50	167.38	200.71		1,2	3.75	232,05		165.39			234.97	188.44	201.55
Austria (24)		-0,5	177.12		174.79			1.91	196.87		140.31	174.86			174.70	194.41
		-0.1	230.77	181.75	227,74		•••	3.21	255.44			225.89	222.09	255.44	206.70	210,44
Britzi (30)		0.5	245.31	193,99	243,08			1.34	271.06						162,65	163.91
Canada (112)		0.0	188.25	148.26	185.77			1.87	208.14		148.34			209.45	154.12	162,68
Denmark (32)		-0.4	352.68	277.76	348.04	346.62	0.1	1.48	391.53		279.05			391,53	293.76	293.78
		-0.4	248.78	195.93	245.51	297.62		1.53	276.13				298.01	279.84	186.57	193.09
France (91)	218.31	-1.4	198.38	156.25	195.78	199,84		2.84	222.38		158.49			232.34	186.94	195,47
Germany (59)	273./B	-0.5	193.32	152.25	190.78		-0.1	1.48	214.82					215,90	158.25	169.07
Hong Kong (86)		-2.3	480,68	362.82	454.63	508.32	-2.4	2.98	521.54	473.13	371.70		518.49	528.88	407,55	434.87
Indonesia (27)		-0.8	214.97	169.31	212.15		-0.8	1.62	238,79		170.93	212.99	357.41	_	_	_
treland (16)		o.e	318,32	250.70	314.14		0.3	2.98	34S.B4	317,37	249.33	310.73		351.98	270.06	282.92
Italy (59)	_86.93	-1,2	78.62	81.92	77.58		-0.5	2.29	87.96	79.80	62.69	78.13	110.84	96.32	73.26	81,45
Jepan (485)	137.50	0.8	124.35	97.94	122.72	\$7.94	<b>Q7</b>	0.80	135.47	123.81	\$7,26	121.22	97.26	158.25	107.57	152.68
Malaysia (107)	534.07	-0.8	483.00	380.40	476.65		-0.7	1.33	538,33		383.67	478.18	521.04	660.85	51R 1B	553.16
Mexico (27)1		0.8		1054.69	1321.56		0.4	1.17	1471,38	1334.82	1048,66	1306.91	12845.69	1480 76	1110.95	1258.04
Netherland (19)		-0.2	<b>347.</b> 41	273,82	342.85	338.56	0.2	2.30	385.12	349.38	274,48	342.08	337.88	385.12	279.88	298.74
New Zeeland (14)		0.0	82,63	65.08	81.54	70.17	-0.2	4.10	91.40	82.92	65.14	51.18	70.28	35.60	75.64	76.83
Norway (41)		-1,3	284.77	224.28	281.03	306.51	-0.5	2.01	315.14		227.45		308.13		246.04	254.95
Ph@ppines (22)		0.0	150.37	119,43	148.39	218.53	0.0	0.85	168.28		118.51		218.59	32123	210.04	207.30
Singapore (42)		-0.8	353.90	278.72	349.25	255.98	-0.8	1.18	394.83		281.25			448.01	200.00	400 57
South Africa (44)		-0,4	326.17	256.89	321.89	354.81	-0.4	2.45	382.05			321.58	356.18			422.57
Spain (35)	252.66	-0.6	228.68	180.10	225.67	278.61	-0.1	2.35	254.45	230.84	191.35				301.49	381.42
Sweden (49)		0.1	414.73	326.83	409.28	528.94	0.8	1.96	458.13	415.61		406.92			171.91	177.92
Switzerland (35)	289.53	-0.5	270.89	213.35	267,33	267.98	-0.1	1.25	301.09	273.14		267.43		457.61	334.95	359.85
TheBand (43)		0.9	55.12	43.47	54.47		-1.1	5.50	60.52	54.90	43.13		268.35		231.69	231.86
United Kingdom (212)		1.4	276.35	217.65	272.72	276.35	1.1	3.82	301.47			53.76		175.13	59.78	175.13
USA (850)	350.35	0.2	316.84	249.54	312.68	350.35	0.2	1.75		273.49		267.77	273.49	305.57	229.63	231.51
	_		-	243.0+	312.00	330.40		1.73	349.50	317.06	245.09	310.43	349.50	350.35	254.78	273.87
Americas (819)		0.2	268.91	228.33	286.10	270.04	0.2	1.75	319.80	290.12	227,83	284.06	269.39	320.57	233.09	250.04
Енгоре (726)		0.1	239.02	188,25	235.88	244,98	0.3	2.91	264.04	239.54	188.15	234.53	244.26	264.79	204.71	208.82
Nordic (150)	396.31	-0.2	358,42	282.28	353.71	383.81	0.3	1.83	397.12	380.27	283.03	352,73	392.71	401.56	281.45	
Packic Basin (882)		0.4	140,41	110.58	136.57	111.99	0.3	1.27	154,69	140.33	110.25	137.40	111.54		127.18	185.95
Euro-Pacific (1608)		0.2	181.57	143.00	179.1S	162.1 <del>0</del>	0.3	2.00	200.33	181.73	142.77				173.55	183.71
North America (762)		0.2	308.95	243,32	304.89	341.01	0.2	1.76	340.83	309.20	242.81		340.20		248.65	266.98
Europe Ex. UK (514)		-0.6	219.79	168.38	210.98	222,52	-0.1	2.02	237.87	215.79	169.53		222.81		185.65	191.20
Pacific Ex. Japan (397)	309.83	-0.6	280.20	220.68	276.52	270.75	-0.9	2.76	312.48		222.69		273.14		268.97	288.72
Norld Ex. US (1821)	204.18	0.2	184.66	145.43	182.23	168,70	0.3	1,98	203.76	184.85	145.22		168.22		178.94	185.05
	245.38	0.1	221.91	174,77	219.00	215.22	0.2	1.69	245.13		174,71					
Morid Ex. Japan (1986)	308,81	0.1	279.28	219.98	275.61	298.58	0.2	2.10	308.45		215.84		298.04			210.89 245.54
The World Index (2471)3	250.54	0.2	226.58	178.45	222 81	220.83		1.00				_				
Consider STOS because of the				17 WAY	22,9.01	220.03	0.3	1.88	249.98	226.78	178.15	222.04	220.25	250.54	202.32	212.60

and Limited, Column, Suche and Co. and Standard & Poor's. 1997. All rights received. "FT/SSP Advanted" is a joint tradement of The Pinercell Times Limited and Standard & Poor's

# day decline

The graphitages

**端水平** 

porters retrea

# Aerospace

US authorities and airlines seem unconcerned over the Boeing McDonnell Douglas merger. But in Europe, national squabbles are holding up rationalisation. Michael Skapinker reports

# Crucial consolidation

Jat-lagged business gone conclusion: it still has travellers cometimes have the feeling that, after hours of flying, they have not really gone anywhere. Airports and taxis look the same wherever they are, and the spread of international retail and restaurant chains means that many cities around the world are acquir-

ing a similar appearance too. The aerospace industries on either side of the Atlan-tic, on the other hand, look markedly different. While the US industry is rapidly consolidating through a series of mergers, European companies ara finding rationalisation slow going.

Europaan executives recognise that their aerospace industry will have to be rationalised if it is to compete with the Americans. But national equabbles are holding up Europe's progress. The election this month of a socialist govarnmant in France threatens to delay the process further.

In the US, Boeing, the turer of civil aircraft, plans to take over McDonnell Douglas, the largest maker of military jets, This would produce the world's biggest aerospace and defence company, creating a substantial rival for Lockheed Martin, the US company born of a previous merger.

The Boeing-McDonnell Douglas combination will dwarf Airbus Industria, Europe's civil aircraft maker, and companies such as British Aerospaca and Daimler-Benz Aerospace (Dasa) of Germany.

nell Douglas merger will take place is not yet a fore takeover is likely to be electronics group, and of recently that the disagree-

to be approved by regulators in Washington and Brussels. Washington's approval is likely to present few prob-lems to Bosing. Most in the industry believe that the takeover is taking place with the blessing, if not the active encouragement, of the White House and the Pentagon.

The European Commission is providing more activa resistance to the deal. Mr Karel Van Miert, the EU competition commissioner, says Boeing and McDonnell Douglas together will be too strong for Airbus and that the US compenies will use government defence money to finance civil aircraft

ened to declare the deal illegal. But it is more likely that he will demand that the two US groups make some con-cessions to ensure that there is still sufficient competition in the civil aircraft market. The belief in the aerospace industry is that the takeover

Mr Van Miert has threat-

will take place. First, Boeing world's biggest manufac- and McDonnell Douglas' civil aircraft oustomers, the sirlines, seem unconcerned by the merger. The airlines say that Boeing and Airbus will still continue to fight fiercely for orders. American Airlines has

even welcomed the proposed merger on the grounds that it operates 260 McDonnell Douglas MD-80: aircraft, the servicing of which would now be handled by Boeing. American feared that McDonnell Donglas might close its civil aircraft business, leaving the airlines without a reliable source of That the Boeing-McDon- spares and service.

The second reason the

tional consequences are otherwise likely to be severe. be merged with Dassault Boeing has warned Mr Van The new French socialist Miert that he risks provoking a transatlantic trade war if he stands in the way of the

ever action is appropriate"

to prevent the European.

Commission from blocking

Meanwhile, Europe's con-

solidation attempts are mov-

ing forward fitfully. The con-

servative government which

has just left office in France

had decided to concentrate

on encouraging the rational-

isation of its own industry as

a prelude to wider European.

consolidation. Two of the

this strategy were the proposed privatisations of

most important aspects of in the partners' hands.

the takeover.

parliamentary majority has thrown both these privatisations into doubt, along with takeover. The company the prospects of broader seems to have high level political support for its

The outlook on the civil problems. The four companies which own Airbus -



Aerospatiale and Casa of

Spain - have agreed to turn

it into a limited company by

1999. It is, at present, a con-

sortium which makes no

profits or losses in its own

BAe and Dasa, however

are in favour of Airbus tak-

eing (777, above) and McDonneli Dougles (C-17, left) will create the world's biggest aerospace company, dwarfing Airbus and creating a rival for Lockheed

ments might mean that the Airbus partners would miss the 1999 deadline for changing its structure. However, he insisted they would eventually reach agreement: "I have no doubt France will eventually come round. It is inevitable. It will coma. Everybody knows."

WALLED AND THE REPORT

ing control of the four part-At least the European civil ners' civil aircraft manufacaircraft industry can benefit toring facilities. Aerospatiale is resisting this idea, saving from the upturn in orders. the factories should remain Both Airbus and Boeing are increasing production to take advantage of the Mr Jürgen Schrempp, chairman of Daimler-Benz, increase in demand from air-Thomson-CSF, the defence Dasa's parent company, said lines for more aircraft. But both manufacturers and air

lines know that the current upturn cannot last forever. Even though aircraft are full, airlines are still struggling to make profits.

The world's airlines' net profits on their international scheduled services fell to \$4bn last year from \$5.2bn in 1995, according to the International Air Transport Association. The airlines' collective turnover was \$134.3bn last year, which meant that their net profits represented less than 3 per cent of their

Mr Pierre Jeanniott, the -association's director gen- than was good for them. Pas- will be the clear winner.

eral, has said that the airlines' profit margin needed to be at least 7 per cent if they were to finance their future investment needs.

Yields, the amount that airlines charge their passengers for each mile that they carry them, are in long-term decline. Average yields on international scheduled services fell last year by 2.5 per cent, while the airlines' unit costs declined by only 1 per cent

last year that the airlines were bnying more aircraft IN THIS SURVEY

BoeingAirbus

Superjumbos Bombardier

 Regional jets Page 4

Engines Page 6

Page 7

Airports Page 8 Page 9

Ordera SOBO! Page 11

 US defence Page 12

Pege 13

Page 14

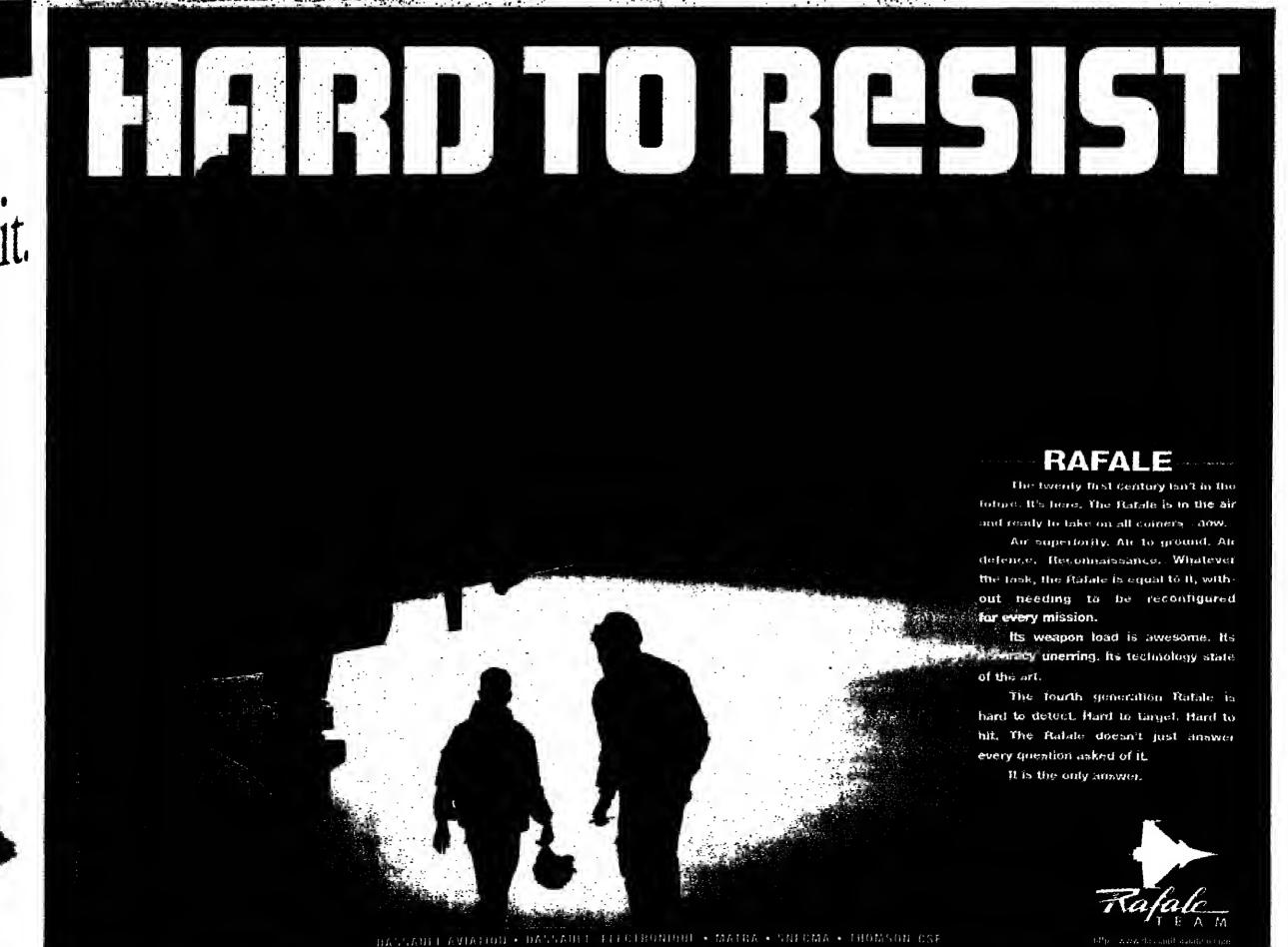
Helicopters

senger traffic increased by 6.9 per cent while seat cepac ity grew by 7.1 per cent. Although Boeing insists that airlines are ordering aircraft in a more restrained fashion than in previous upturns, last year's figures are

slightly worrying.
Mr Gerald Greenwald, chairman of United Airlines of the US, says he hopes that aircraft will continue to be full for some years to come. But the market will eventually turn down. He says: When it comes to the economic cycle, you can run but you can't hide. I see smooth skies well into the future but aventually the end of the winning streak will have to come.

When it does. Mr Philip Condit, chairman of Boeing, hopes McDonnell Douglas will have been firmly integrated into his company. The enlarged group's defence business should then, he says, be able to compensate for the downturn in civil aircraft orders. He will also hope by then to have trimmed Boeing's costs.

By the tima the downturn comes, Europe's aerospace manufacturers will hope, too, that they have overcome their fractiousness. If they hava not, the US industry



**BOEING** • by Michael Skapinker

A global business has a 10 per cent stake. is the aim, but the EU may yet stall the McDonnell Douglas takeover

Boeing will not make windmills, trains or boats, says Mr Philip Condit, its chairman. The world's leading aircraft maker has tried to diversify in the past, but without success.

"I think thet's because we did not know those customers well. We're an aerospace company," says Mr Condit. Nevertheless, under his lead-ership, Boeing wants to become a very different aerospace company - more international and with substantial businesses in defence and space as well as in civil aircraft manufacture.

If regulators on both sides of the Atlantic give their approval, Boeing will this year take over McDonnell Douglas, vastly increasing its defence expertise.

Boeing is already the leading partner in Sea Launch, an innovetive consortium which will launch satellites from e converted off-shore oil rig. The other members of Sea Launch are: Kvaerner, the Norwegian shipbuilder; RSC Energia of Russia; and NPO-Yuzhnoye, a Ukranian rocket manufacturer.

Earlier this year, Teledesic, the brainchild of Mr Bill Gates and Mr Craig McCaw, announced that Boeing would ba the prime contractor for the design, con-struction and launch of 300 low-orbit communications

Boeing has invested \$100m in the venture, in which it

Above all, Mr Condit, who became chairman this year, wants Boeing to become an international company rather than an American one. Boeing's customers are international, the aerospace business is global and the group must feel at home wherever it operates and not just in Seattle, where it has

its headquarters, he says. Mr Condit admires the way British Petroleum is seen as a local company, BP, wherever it operates, rather than as a UK group. Boeing aircraft could even

Condit believes the McDonnell **Douglas** 

be assembled abroad, Mr

takeover will make Boeing a more balanced company

Condit says. "Final assembly is a relatively small part of the business, but it's the most visible. I'd be happy to build final assembly factories where it makes sense," The biggest task for Boe-

ing, however, will be completing the takaover of McDonnell Douglas. The enlarged Boeing will be the world's biggest manufacturer of both civil and military aircraft. It will have 200,000 employees and e \$48bn turnover. It will be far bigger than Airbus Industrie, the European maker of civil aircraft.

The group will be called

Roeing and its headquarters will remain in Seattle. Its military business will be based in St Louis, where McDonnell Douglas has its headouarters.

Mr Condit believes that taking over McDonnell Douglas, with its larger defence business, will make Boeing a more balanced company. The civil and military aircraft businesses tend to work to different cycles.

At present, civil aircraft orders are booming. Last month Boeing announced it was increasing civil aircraft output by 48 per cent to keep pace with orders from air-

By the second quarter of next year, Boeing aims to be producing 43 aircraft a month, compared with 29 e month et present.

However, when the civil aircraft market turns down. Mr Condit hopes that McDonnell Douglas'e military orders will take up some of the slack. McDonnell Douglas has e backlog of orders for older F-15s and AV-8B Harriers. The enlarged Boeing will also build F/A-18s for the US navy and the giant C-17

First, however, Mr Condit will have to win regulatory epproval for the takeover. which is looking more diffi-

The problem is not in the US, where the takeover is being vetted by the Federal Trade Commission, but in Europe, where Mr Karel Van Miert, the EU competition commissioner, has expressed strong opposition to Boeing taking over McDonnell



Philip Condit rejects BJ objection that Boeing will have an overwhelming market share: McDonnell Dougles accounts for only 4-per cent of the world market

The European Commission set out its objections to the takeover in documents sent to Boeing and McDonnell Douglas last month. The commission said it had three principal objections to the takeover. The first is that Boeing's hold over the civil aircraft market would be so overwhelming that Airbus would find it difficult to

and Airbus would have ebout two-thirds of the civil aircraft market. The second objection is that US government defence research money could be used to fund Boeing's civil

compete. Together, Boeing

aircraft projects. The commission'e third objection concerns the decision by two US sirlines, American Airlines and Delta Air Lines, to appoint Boeing as their exclusive aircraft suppliers for 20 years. Mr Van Miert says the

exclusive deals deprive Airbus of the ability to supply aircraft to some of tha world's biggest carriers. Mr Condit rejects the EU's

enlarged Bosing will have an overwhelming market share. McDonnell Douglas, once a. power in the civil aircraft business, now accounts for

only 4 per cent of the world ment of Defence or National standardising their fleets market. He says Boeing will gain little more in the way of sales by taking it over.

Mr Condit adds that the 1992 US-EU bilateral agreement strictly limits the amount of financial support governments can give to bilateral. Since 1993, when we have submitted reports first objection - that the to the US government on this issue, there have been no instances of benefits accruing to US commercial

currently funded US Depart-

Aeronautics and Space Administration (Nasa) con-

Mr Condit says the exclusive agreements with American and Delta are not connected with the takeover. The agreement with American was concluded before civil aircraft programmes. can was concluded before Mr Condit says: "We contine takeover was announced. tinue to comply with the He added that both American and Delta approached declares the takeover illegal, Boeing to conclude exclusive the commission could fina agreements and not the tha enlarged Boeing equivaother way around.

"These agreements were airplane programmes from Delta because airlines are recognising the value of powerhouse.

with a smaller number of models, then using the leverage of their buying power to get the best possible deal,"

Mr Condit says. Having initially brushed off the possibility that the commission could hold up the takeover, Boeing is now the EU could take. If it lent to 10 per cent of its turnover. A fine of nearly \$5bn initiated by American and would not be e good start for the world's new aerospace

AIRBUS • by Michael Skapinker

# Partners debate group structure

BAe and Dasa say the consortium must become a single company to compete effectively

If the UK's new Labour government wants advice on how to confirm its pro-European credentials, it could

ask British Aerospace. The UK group, backed by Daimler-Benz Aerospace (Dasa) of Germany, is battling to turn Airbus Industrie, the world'e second biggest aircraft maker, into a single,

integrated European com-In the aerospace industry, the Eurosceptics tend to be French. Aerospetiale of France has been arguing for an Airbus des patries, an organisation in which national identities and pow-

ers are retained. The four companies which own Airbus - Dasa, Aerospatiale, BAe and Casa of Spain - are debating how the consortium can compete with Boeing of the US. Boeing, Airbus's larger rival, is about to become even bigger by taking over McDonnell

Douglas, also of the US. The four partners also believe that Airbus needs to be part of the defence industry consolidation slowly taking place in Europe. Absorbing McDonnell Douglas will greatly increase Boeing's ernised Airbus will eventually have to have a large defence division to add to its

Early this year, the four térêt Economique, a French legal construct. As a GIE, Airbus does not make profits or losses in its own right; these accrue to the four part-ners. It also does not publish

the basis of unanimity ence in civil aircraft manubetween the partners. Airbus facturing. Their governmanagement in Toulouse is responsible for selling airfactories. The partners' share of Airbus work reflects their holdings in the consorhas 20 per cent and Casa 4.2

abandon its GIE status and become e limited company. Airbus also, they say, needs



Aerospatials has been assured that France will not lose its factories

design to manufacturing, their differences. They are sales and service. This also valuing their Airbus would mean the four part businesses although tha ners putting their Airbus partners have stressed that manufecturing facilities this will not lead to a change under the control of the new, in their relative sharehold-

bus's status. The French greatly increase Bosing's company says however that defence business. The four the four partners should not partners believe that a mod- lose sight of how much Air bus has achieved as e GIE. Since its foundation in 1970, it has won over one-third of existing civil aircraft making the world market for civil

Airbus says if did even signed a memorandum of better than that last year, new Airbus company take understanding in which they Airbus won 326 firm orders control of all manufacturing, agreed to change Airbus's in 1996, worth \$23.6bn, Exact BAe has attempted to reaslegal status. Airbus is at levels of market share are sure Aerospatiale that present e Groupement d'In- often a cause of dispute between Alibus and Boeing. However, Airbus says that it won 42 per cent of aircraft orders worldwide last year.

says, the Airbus structure has allowed four European Airbus makes decisions on countries to maintain a presments have been willing to invest in new aircraft procraft, but the four partners jects, knowing that they make the parts in their own were helping to maintain e research and manufacturing base in their own countries.

Whatever form Airbus tium: Dasa and Aerospatiale takes in the future, Aerospaeach have 37.9 per cent, BAe tiale argues that those national links should be maintained For Airbus to Dasa and BAe argue that become a company without from export sales. The presto compete effectively with national roots would put ervation of national identi-Boeing, Airbus needs to government support and ties must lead to the com-

aspect of its business, from end of the year to resolve

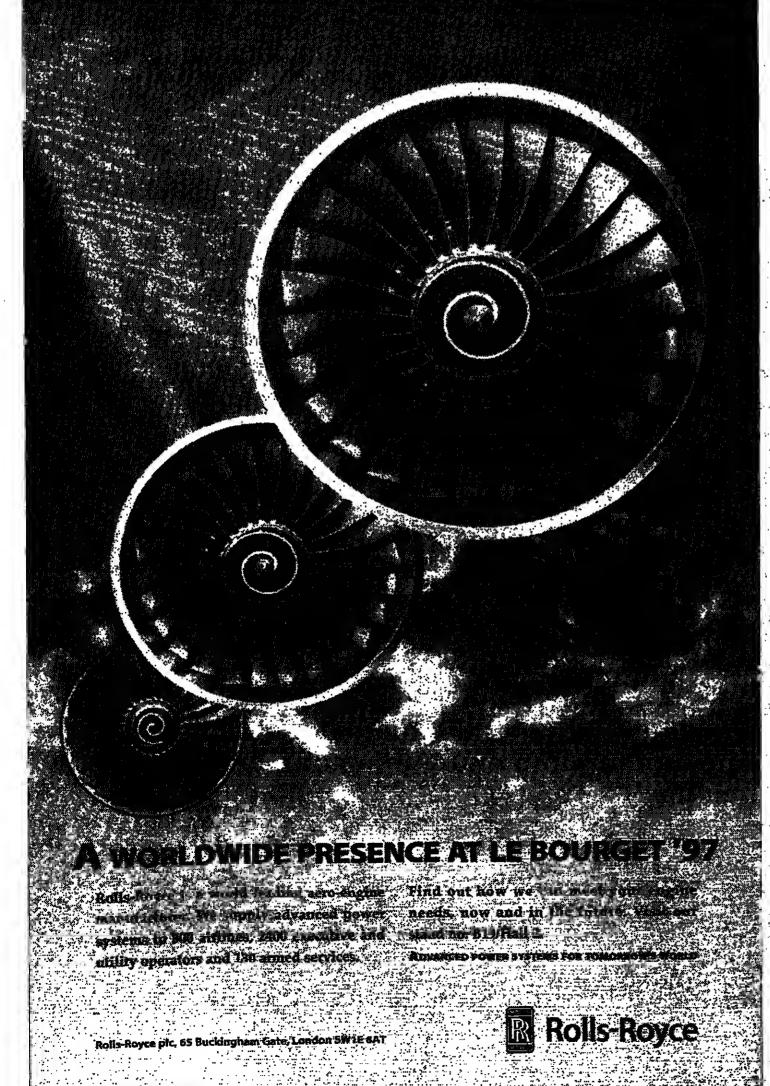
company. ings.

Aerospetiale is not if it turns out that one of opposed to a change in Air the partners has Airbus assets worth more than its stake in the consortium, it will be compensated in e way which does not require its shareboldings to increased. They could, for example, receive higher dividends from the newly-

formed company. While insisting that the France will not lose its facto-

Mr John Weston, BAe's group managing director, said in a speech in Hanover Above all Aerospatiale in April: "The new company will have to be run by a single unified structure which will manage the business across national boundaries But national identities will have to be retained. The company will need to retain national governments as customers and providers of investment in research and

development. "Governments will rightly expect a return on such investment in terms of employment, the technological base and perhaps return investment at risk. Aerospa- pany being perceived as tiale says. German in Germany, British tiale says. German in Germany, British The four partners have in the UK and French in to be in control of every given themselves until the France - rather as Airbus is







Jean Plerson believes Boeing's participation in a joint study was a tactic to prevent Airbus from working on its own large aircraft. Gyr Geni

**SUPERJUMBOS** • by Michael Skapinker

#### zing up the market

Airbus and Boeing disagree over demand for an aircraft larger than the  $7\overline{4}7$ 

Boeing of the US, the world's largest aircraft maker, says it has shelved plans to build a 550-seat aircraft. Mr Jean Pierson remains sceptical.

Title 1

A ...

. يا سخين ، نهج

- Marin

Chemistry .

The second

Acres de la constante de la co

rs debate

structure

director of Airbus Industrie. the four member European consortium which is the second biggest manufacturer of civil aircraft, believes Boeing's announcement, made in January, is a ruse. Airbus is still determined to build a passenger jet larger than any flying today. When it does so, Mr Pierson says, Boeing will build one too.

The building of a new large aircraft has created suspicion hetween the two big manufacturers for years. The largest aircraft in the air at present is the Boeing 747, which carries up to 400

Aircraft designers have long been entranced by the not have an aircraft of this thought of building something bigger - with 600 has only 335 seats. Airbus seats, or perhaps even 800 or 1,000. Boeing and Airbus spent some time discussing bow they could build one for aircraft of 400 seats or together.

Their planned aircraft, the Very Large Commercial itself. Transport (VLCT), came to

companies, made in 1995, said that while such an aircraft was technically feasible, the market for it was too small. Only two airlines, British Airways and Singapore Airlines, had expressed any interest - too few to justify the expected \$15bn development cost.

Mr Pierson says Boeing's Mr Pierson, managing participation in this study was simply a tactic to prevent Airbus from working on its own large aircraft. The two sides were talking about different sizes of aircraft, Mr Pierson says. Boeing wanted to build an aircraft with 600 seats or more. Airbus wanted a 500-seater.

The reason Boeing wanted the bigger aircraft, he says, was that it wanted something which would not compete with the 747. Airbus needs an aircraft which will compete with the 747. This, in Mr Pierson's view

is the difference between the two manufacturers. Boeing bas a monopoly of the 400seat jet market. Airbus does size. Its biggest, the A330, wants to be able to compete with Boeing in all sections of the market, including that more. Boeing, Mr Pierson says, wants this market to

Hence Airbus's decision to nothing. The official go ahead with its plans to

which will be slightly bigger than the Boeing 747 and the largest of which would carry more than 600 passengers. Airbus is talking to Lockheed Martin of the US and s consortium of Korean companies about participating in the A3XX project. Airbus

gined aircraft for about \$8bn. When Boeing sees that Airbus is going ahead with the A3XX, the US group will build its own 550-seater, Mr Pierson predicts. He alleges that Boeing's hope, however, is that Airbus will abandon the A3XX, leaving the US group's monopoly over large

says it can build the four-en-

Boeing says it is not involved in any conspiracy. Its decision to suspend development of its large aircraft, which would have been based on the 747, stemmed from one consideration only: not enough airlines needed such a big aircraft.

Mr Philip Condit, Boeing's chairman, says; "It isn't an elaborate game. It's very straightforward. We've been trying for a number of years to understand the big aircraft market. We agree wholeheartedly that there's a market. The question is: how big is it? We made a pretty good run at it. We didn't get the response that we thought might be there." Mr Condit says Boeing's

announcement from the five develop the A3XX, a family research convinced it that of aircraft, the smallest of the Asia-Pacific region would not be as big a market for super jumbos as previously thought, Instead, Boeing expects the Asian market to witness developments similar to those that have occurred across the Atlantic.

As transatlantic air traffic has grown, the market has fragmented, Mr Condit says. Instead of flying between large airport hubs and then changing to fly on to other cities, pa sengers are insisting on flying directly to their destinations - what the industry calls point-to-point. The same development will take place in Asia, Mr Condit says, limiting demand for very large aircraft.

Boeing says that, over the next 20 years, there will be a demand worldwide for 480 aircraft bigger than the 747. That is not enough, the group says, to justify the \$7hn Boeing would have had to spend to develop the aircraft. Airbus disagrees strongly: airlines will huy 1.442 aircraft larger than the Boeing 747 over the next 20

years, the consortium says. What if Airbus does build the A3XX? Is Mr Pierson right? Will Boeing then build its own large aircraft? Mr Condit says Boeing reserves the right to change its mind. But he adds: "Our conclusion was that it didn't make sense for one player to be in that market, let alone two."

PROFILE

### Keen eye for a bargain

The Bombardier family

company through multiple

voting shares. One of Mr

Bombardier's sons-in-law,

retains control of the

chairman and chief

when it bought the

shares in Canadair, a

struggling maker of

executive.

The Canadian company is now the world's third largest airframe maker

Travellers using the Cincinnati-Northern Kentucky airport quickly discover why Canada's Bombardier has become a force in international

aerospace. Relatively few passengers make Cincinnati their final destination. But Delta Air Lines, one of the big US carriers, has turned the airport into a busy transit "hub" for passengers travelling between North American cities with no direct service.

One terminal is earmarked entirely for flights operated by ComAir, a commuter carrier affiliated to Delta. A dozen or more ComAir planes are fined up at the terminal at any one time, and almost all are 50-seat Canadair Regional Jets (CRJs), made

by Bombardier. ComAir, which already bas a fleet of 50 CRJs, ordered another 30 aircraft with options for an extra 45 in late May at a cost of US\$600m. Bombardier has racked up a total of 258 firm orders for the CRJ (of which 163 have been delivered). with another 198 options. The 50-seat CRJ has

helped propel Montrealbased Bombardier into fourth spot among the world's airframe makers (third, if the merger between Boeing and McDonnell-Donglas proceeds). Bombardier has confined

tself to markets that

Boeing and Airbus have until recently shied away from, The CRJ is currently its biggest plane. Bombardier had its origins 60 years ago in rural Quebec, where Mr Joseph-Armand Bombardier converted Dodge and Ford cars into snowmobiles. mostly for the use of

Having shown a keen eye sizeable part of its business. for investment bargains, Bombardier is now putting to the test its ability to

Mr Laurent Beaudoin, is version of the CRJ was Bombardier entered the with the first deliveries aerospace business little expected in late 2000. The more than a decade ago advanced C\$87m in Canadian government's "repayable grants" essentially interest-free loans with repayments in

business lets and the form of sales royalties. waterbombers. Since then, Bombardier has gained a reputation as a success in capturing a canny buyer of troubled dominant share of a fast-growing market, aircraft companies at especially in North bargain-basement prices, with its deals typically sweetened by government financial support. Its stable now includes

Toronto-based de Havilland (which makes turboprop smaller range commuter aircraft); Northern Ireland's Sbort Brothers (aircraft components and missiles); and the US's Leariet (business jets). It backed away last year from buying Bombardier's biggest Fokker after concluding that the ailing Dutch between Toronto and

company had little to offer. Aerospace sales climbed 14 per cent in the year to Jan 31, 1997, contributing half Bombardier's total revenues of Cashn. Besides snowmobiles and watercraft, the company also has a sizeable railway carriage division centred in

bring a variety of new aircraft to market. An extended, 70-seat launched earlier this year, Canadian government has

The decision to extend the CRJ reflects Bombardier's America. The CRJ's main rival, the Brazilian-built Embraer 145, comes with a lower price tag, but has a narrower fuselage and a

The CRJ and Embraer 145 have enabled airlines to open routes that are too "thin" for larger jets, and too long for turboprops. For instance, Air Canada, one of customers, has used CRJs Minneapolis, and Toronto

and Kansas City. The de Havilland Dasb-8 series is also being enlarged with a 70-78 seat version. known as the Series-400 with a range of almost 1,300 nautical miles. Its first flight is due later this year. As of late May, 16 orders

8-400s. Learjet, which lost market share last year, is due to start deliveries soon of its compact Leariet 45. Bombardier's biggest gamble however, is the Global Express, an inter-continental busin jet with a price tag of about US\$35m. The Global Express has a range of up to 6,700

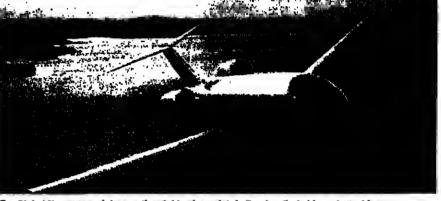
Three Global Express prototypes are currently undergoing tests. Two are due to be delivered to customers later this year. although certification by the US Federal Aviation Administration is not expected until May 1998.

The Global Express faces tough competition from Georgia-based Gulfstream and from Boeing, which unveiled plans last year for a spacious business jet

version of its Boeing 737. Bombardier says it has so far received "almost" 60 orders for the Global Express. There's a "steady stream" of potential buyers an official says.

Investors appear optimistic that Bombardier's instinct for new products will be as sharp as its eye for acquisitions. Each big order for the CRJ has triggered a further rise in Bombardier shares. Their value has soared fivefold in the past

**Bernard Simon** 



The Global Express, an inter-continental business jet, is Bombardler's biogest camble

## 4European companies world beating business

Over twenty five years ago Europe decided to enter the commercial airliner market, the result was Airbus industrie, a world beater from a consortium of Britain, France, Germany and Spain. The rest is history: 1500 Airbus aircraft in service, a further 750 on order and the A3XX high capacity long haul sirliner to take us into the tuture. At British Aerospace we've always believed that the way forward is to force alliances, share technologies and create long term relationships. Programmes such as Airbus, AI(R), Tornado and Eurofighter time and time again have proved partnerships to be the right policy.





unbeatable defence solution

> Eurofighter is a single seat air superiority fighter designed to outclass all known adversaries. Yet it hasn't been created by a country flying solo. It's been created by four NATO partners. Which, in turn, involves over 400 companies and will employ more than 150,000 people working at the frontiers of knowledge. Like all aerospace programmes it's vast, complex and technologically demanding. Once again, the route to success has been the approach we've always championed; teamwork

### 25 plus missile programmes European leader



Matra BAe Dynamics, a 50-50 joint venture between British Aerospace and Lagardère of France is Europe's largest 40 countries on five continents and an order book in excess of £2.5 billion and an annual turnover of around £1 billion. Employing over six thousand people based in the UK and France the company has a comprehensive range of high technology products and skills providing unmatched capability to meet the guided weapon systems requirements to customers on land, at sea and in the air. It is the first international joint venture of its kind and will provide future opportunities for collaborative partnerships into the next

BRITISH AEROSPACE



http://www.bae.co.uk

REGIONAL AIRCRAFT • by Michael Donne

#### Direct link to expansion

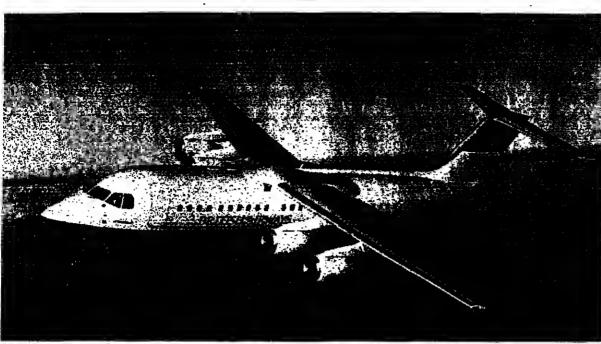
Growth in hub operations and flights between small cities have increased demand

The market for regional aircraft - that is, single-aisle twin-engined aircraft of up to 120 seats - is expected to expand substantially over the next 20 years.

The Airbus Industrie consortium of Europe says in its latest Global Market Forecast to 2016 that demand for single-aisle twin-engined jets of up to 70 and 100 seats could amount to more than 1,630 aircraft. Boeing, in its 1997 Current Market Outlook to the same date, forecasts that demand for jets up to around 90 seats will be 1,331, worth some \$31.5bn, an increase of 8.2 per cant on today's fleet. There would be a with further demand for 2,164 aircraft seating up to 120, a gain of 13.4 per cent, worth some \$67bn.

The size category up to about 90 seats would include such aircraft as the British Aerospace Type 146 and the Canadair Regional Jet, while the larger size up to 120 seats would include the Boeing 737-500/600 series, the BAe RJ-100, and the McDonnell Douglas MD-95. In addition to the jets, there are various turbo-propeller airliners available from mannfacturers such as Aero International (Regional) - AI(R) -

and Saab of Sweden. Driving this potential market are several factors. While over recent years attention has been focused on trunk-line traffic between major "city-pairs", there has been a less-publicised hut nonetheless significant expansion in "hnh" operations, where passengers have transferred onto smaller aircraft for continuation journeys to other destinations not served by the larger airlines, and a substantial growth in direct links between smaller cities and towns, by-passing the major huhs. The aircraft used for these direct links are often more suitable for both the lower traffic densi-



BAe RJ-100 regional jet, built by Avro at Woodford neer Manchester, is looking to build up share in a growing market

available, and the shorter runways at such locations. At the same time they are quieter, even the jets, and therefore more environmentally acceptable than larger aircraft. For similar reasons, such aircraft are also more suitable for the under-developed regions of the world, where sophisticated infrastructures are not often available.

With such a potential market, there is no shortage of bidders for the business, despite the demise of Fokker of The Netherlands. In Europe, British Aerospace Regional Aircraft comprises two manufacturers - Avro which huilds the RJ series of regional jets (the RJ-70, RJ-85 and RJ-100) at Woodford near Manchester, and Jetstream which hitherto has huilt the J41 turbo-propeller aircraft at Prestwick, Scotland, but that line is now being closed down. BAe plans to fill the gap with aircraft parts production from other parts of the husiness.

Marketing and customer support for both aircraft types is undertaken by AI(R). a European consortium huilding both jets and turbo-props, which is owned in equal proportions by Britof France and Alenia of Italy, with its headquarters in Toulouse. Its products

airliners originally developed by Avions de Transport Regional (ATR), the Franco-Italian organisation which now is part of AI(R). The AI(R) range of jet and turboprop types variously seating from 20 to 115 passengers collectively gives the consortium a 27 per cent share of the overall world market for regional airliners.

In Canada, the Bombardier

group, which includes de

Havilland, Canadair, Leariet

and Short Brothers of Northern Ireland, and now regarded as the third largest commercial aircraft mannfacturer in the world after Boeing and Airbus, not only builds the Canadair Regional Jet of 50 seats and the de Havilland twin-engined Dash 8 series of turbo-props, but has also launched the Canadair 70-seat CRJ-700 twin-engined jetliner. In addition to members of its own group, including Shorts. international partners in this latest venture include Generai Electric (engines) and Rockwell CoiIntertechnique of France on ths fuel system

Fairchild of the US, which include the turbo-propeller now owns Dornier of Germany, is planning a 32-seat jet-powered version of its twin-engined Dornier 328 aircraft, with a 50-seat derivative also under consideration, In Brazil, Emhraer which already huilds the 50seat EMB-145 jetliner, is planning to turn it into a family, with the addition of 37-seat and 70-seat aircraft.

While the manufacture of regional aircraft, especially jets, is well spread, it is particularly in the Asia-Pacific region that current and future market demand is most intense - some estimates have suggested that up to 2,000 regional jets could be sold in Asia-Pacific over the next 30 years.

This is partly due to the emergence of mainland China as a major market for Western transport aircraft. replacing original reliance on Soviet-huilt types. This began some years ago with the manufacture of McDonnell Douglas jetliners in Shanghai, and the manufacture of parts for various other Western-developed atrlins (avionics), Mitsubishi of craft but has now heen

extended into more ambitions plans for joint international sircraft design, development and production as a means of getting into the market more speedily.

These plans are now becoming focused on development of a new 100-seater jetliner family programme (hitherto broadly called the AE-100 Asian Express, hut now known as the AE31X. expected to enter service in 2003). Aviation industries of China (AVIC) and Singapore Technologies (STPL) are working on it with a new European combine called Airbus Industrie Asia (AIA) comprising the Airhna Industrie consortlum of Toulouse and Alenia of Italy

delivered just over 300 jets and nearly 150 turboprops -(which has a 38 per cent stake in AIA). Last month a a combined increase of about framework agreement set-100 more than at the low ting out the co-operation point in 1992. There are principles between the parhopes that the annual total ties was signed in Beijing for jets alone could hit 350 hetween AVIC, Singapore by the turn of the century. But for each factor encourag-Technologies and, on the European side, Airbus Indusing firms to invest in their trie itself and Finmeccanica own aircraft, and these of Italy (the parent company include congested airports, of Alenia). full flights and rising fares, there is at least one balanc-

The programme is to be managed through a joint venture company to be set up in China, with shareholdings of 46 per cent for AVIC. 39 per cent for Airbus Industrie Asia and 15 per cent for former Soviet Union; Singapore Technologies. Further details are expected to which are turning the corpobe released at the Paris air rate aircraft, increasing

Also in the Asia-Pacific region, the European Aero International (Regional) consortium (in which Alenia of Italy is also involved) is discussing a new international 58-84 seat family of regional jets in collaboration with Korea Aerospace Industries (KAI - replacing the former South Korean Commercial Aircraft Development Corporation, KCADC), in which Daewoo, Korean Air and Samsung are involved. Not to be outdone. Indonesia is also planning development of a family of regional jets seating between 104 and 132 passengers, the N2130, replacing earlier plans for a

smaller 50 seat aircraft. The competition is therefore already intense. Some of the current ambitious developmeet plans may not come to fruition, for the costs of developing new aircraft. even small regional types, are still formidable, and there have already been difficulties in putting various projected consortia together. Even so, out of the plethora of types planned, for the successful manufacturers the rewards seem likely to be considerable.

at the flying office Sales are soaring, but operators face second fastest passenger aircraft after Concorde

Raytheon's Hawker Horizon, due in service in 2001, makes heavy use of composite material

Cautious optimism

**BUSINESS AIRCRAFT** • by Roger Bray

rising costs and

Business aircraft sales

continue to climb away from

recession. Companies want-

ing the optimum in speed,

range and economy may face

long queues for delivery. But

manufacturers are temper-

ing their revived optimism

Last year the industry

On the positive side are:

the general growth of busi-

emerging countries of the

advanced communications

sive new safety and naviga-

squeeze them out of major

With basic prices for the

most sophisticated jets now

topping \$30m, the total mar-

ket, including turboprops, is

reckoned to be worth more

than \$5bn a year. The US

accounts for about 65 per

Plans for a supersonic

business jet appear to have

heen pushed to the back

hurner but manufacturers

have emerged from the eco-

nomic downturn with a stun-

such as Bombardier's Global

Express, expected to be on

view for the first time out-

side the US at the Paris

show, the recently certifi-

cent and Europe 12 per cent.

airports.

pay the whole price.

ness travel, not least to the

battles over

airport slots

with caution.

ing deterrent.

From the French Dassault stable come two upgraded trijets, the Falcon 50EX and 900EX. Meanwhile Raytheon is offering two new jets, the Premier One, selling at around \$4m and the "super mid-size" Hawker Horizon, costing some \$14.5m.

Both Raytheon's jets, due in service respectively in late 1999 and 2001, make heavy use of composite materials in fuselage construction.

The company says this produces more effective noise insulation and a strength-weight combination which allows more width and headroom in the cabin.

The biggest exponent of composites is the fledgling VisionAire Corporation in Mojave, California, with its

VisionAire claims to have identified a niche for a low cost jet

prototype Vantage which is into a flying office; and the spread of fractional owneraround 90 per cent carbon ship, which enables compagraphite. It is now undergonies to take a share in an ing flight tests. Mr Mark expensive jet, rather than Jones, director of sales and marketing, says that On the downside, operaalthough the material is tors face a host of new or more expensive than metal it involves far fewer manuimminent regulations which will force them to fit expenfacturing man hours. The aircraft was designed to tional equipment, and tha carry four passengers up to continuing threat that air-960 nautical miles - New York to Miami, for example lines, hungry for more take off and land slots to accom-- though an increase in fuel modate growing traffic, will capacity may extend its

> VisionAire's founder, Mr Jim Rice, claims to have identified a niche in the market for a low cost jet. With first deliveries due in spring 1999, the Vantage will sell for \$1.65m.

Much as rental fleets boost car sales, fractional ownership companies are promoting the use of corporate jets to those who might be put off hy ownership costs. Indeed, Bombardier has set up its own operation in conning new range. They junction with AMR, Ameri-include long range aircraft can Airlines' parent. can Airlines' parent.

Ohio-based NetJet, which pioneered the concept, already operates a fleet of nearly 100 aircraft and has begun operating in Europe.

cated Gulfstream V. and It allows customers to pay as Cessna's Citation X, which is little as one eighth of the claimed to he the world's aircraft purchase price, plus a per hour operating charge and a management fee, in return for a promise to make a plane available within a

HIGH

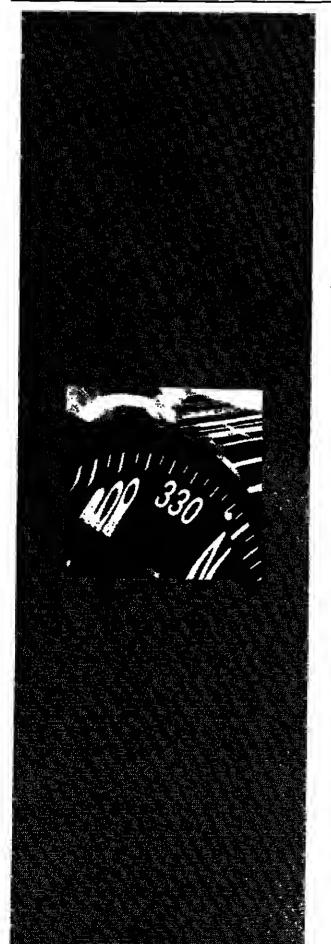
certain number of hours. But if an unprecedented variety and choice of aircraft and payment are providing the industry with lift, a host of problems is also increasing drag. Manufacturers complain that they can receive a certificate for a new type from Europe's Joint Airworthiness Authorities, only to find that individual countries within that organisation demand extra modifications.

Liberalisation within the European Union, which has freed operators based in one country to fly commercially anywhere in the community, is tempting companies to use "flags of convenience" registering aircraft with those national authorities whose demands are least

onerous. That will not help them avoid costly international requirements for new navigation and safety equipment. Long haul operators, for example, could face bills of up to \$300,000 per aircraft to systems are accurate enough to cope with the recent reduction in minimum vertical separation between jets flying across the North Atlantic. Fitting "hlack box" flight data and cockpit voice recorders could cost another

The biggest headache of all is access to major airports and the undenlable objection from airlines that a business aircraft can take up as much runway capacity as a Boeing 747. This is putiing a hrake on sales in Asia, where many airports are under severe pressure because of soaring traffic, and in Europe, where operators cite Frankfurt as a particularly frustrating exam-

Graham Forbes, chief executive of the UK General Aviation Manufacturers and Traders Association, says: "in the EU, for example, there is a pecking order, put-ting scheduled airlines and scheduled charter flights first. We believe everyone should be treated equally. It is important to remember that discrimination against business aviation is a major influence on where companies decide to locate."



AND A CORPORATE VISION THAT'S JUST AS PRECISE



THERE'S A CHANGE IN THE AIR



#### **Defence** Industries

on Thursday, August 28

For further information. please contact: ian Ely-Corbett

Tel: +44 171 873 4148

Fax: +44 171 873 3062

or your usual Financial Times representative.

For the ideal solution to total cockpit and external lighting compatibility when flying with Night Vision Goggles (NVG), look no further then Oxley Aviories.

Oxiey Avionics is a leading specialist in NVG compatible lighting and offers a wide range of standard, cost effective NVG compatible components. With an NVG capability based on complete systems and discrete components, our products cover every aspect of aircraft lighting ranging from internel cockput upgrades and dual mode external lighting upgrades to individual lighting parts.

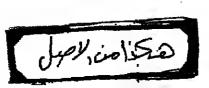
Our systems are completely flexible using standard, off-the-shelf, products or specialist custom built components. This enables us to cover both high end and limited budget applications, tailoring the cockpit to your specific needs.

All this, plus our in-depth understanding of NVG compatible systems and years of experience, means rapid installation and minimal downtime for your aircraft. With our dedicated in-house design team, we are experienced in providing complete turnitary solutions, so you can be sure of total control, minimised costs and the highest quality.

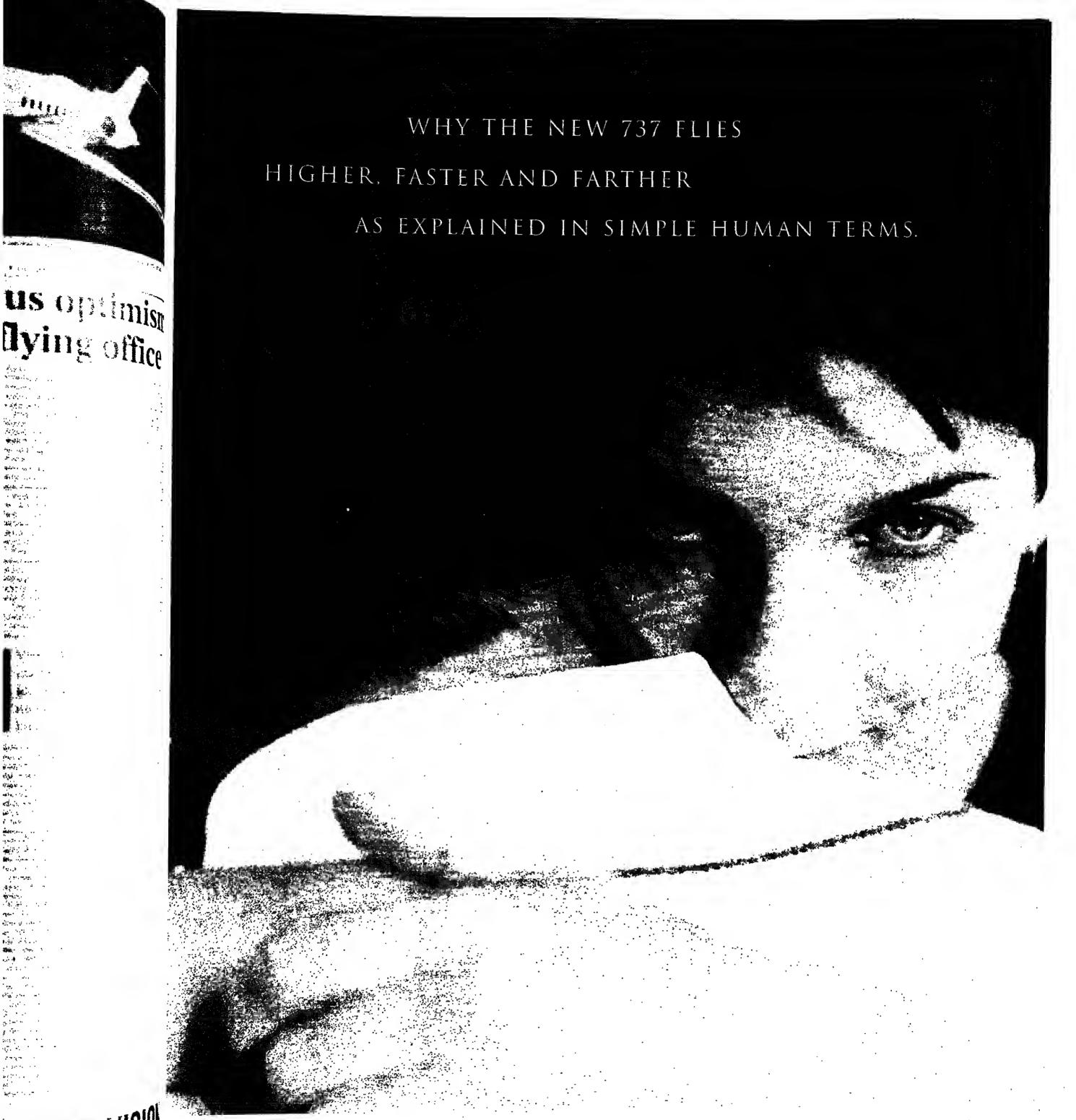
Own the night with Oxley Avionics

Oxfey Anionies Ltd., Priory Park, ULVERSTON, Cumbro. LA12 90G, England Tet +44 1229 582621/ 483226 Fax: +44 1229 580687 e-mail: awonica & oxiov.co.ui

Oxiey Inc. Aerospace Dis 25 Business Park Drive, P.O. Box 814, BRANFORD, CT 06405, USA. Tet +1 203-315-4152 Fax: +1 203-315-4155 e-mail: cuttaynys @ aci con



FINANCIAL TIMES THURSDAY JUNE 12 1997



To airlines, the Next-Generation 737's improvements mean better

efficiency, reduced operating costs and quieter engines.

Which explains why twenty-six airlines in fifteen countries have

ordered nearly 600 new 737s. To passengers, flying on the new

737 simply means less stops between them and whomever

they're going to see. A very important improvement indeed.

www.boeing.com

ENGINE MAKERS • by Michael Donne



#### Flexible to customers' demands

Boeing 777 and Airbus A-330 the four-engined

stretched Airbus A-340-

500/600. It is in this arena

and engine sales battles are

now several variants of the

777 aircraft as well as sev-

eral variants of each of the

three big thrust engines -

come. Each of the big three

engines of up to around 100.000fbs thrust for the 777

cal miles) and its 300X ver-

sion, configured to fly 12,200

kilometres but with a bigger

in the Jumbo market, Boe

ing decided some months

ago, to defer development of

its projected 747-500/600

series of Super Jumbos,

believing that potential sales

of such monsters would be

insufficient to justify the

development expense

involved, leaving Airbus,

which takes a much more

optimistic view, to continue

aircraft of 600-plus seats.

development of its A-3XX

But so as not to be left

behind, Boeing has also been

studying a simple stretch of

the 747-400 in an increased

gross weight (IGW) version

of about 500 seats, believing

that it would be wiser to

move up the size scale incre-

mentally. Initial reactions

from airlines appear to be

favourable, but a formal

launch will depend on enough firm orders being

placed. The engine manufacturers have responded also,

with the GE-Pratt & Whitney

Alliance offering its joint

venture GP7000 engine of 65,000lbs thrust for that air-

craft, while Rolls-Royce is

also competing with another

model 600.

version of the Trent, the

All the engine manufactur ers believe that they can

take their big-thrust engines

to even higher thrusts if required. Rolls-Royce points

out that the inherent growth

potential of the Trent was

displayed during recent tests

in Derby when a Trent 800

series engine generated over 114,500lbs thrust. Although

certificated at 92,000lbs

thrust, that engine regularly

ran at powers in excess of

power output record several

One of the factors that all

ing to consider carefully in

planning their various ven-

tures is the increasing envi-

It is now accepted by all

the engine companies as

well as the airframe builders

that pressures to reduce

even stronger. Many in the

industry now believe these

ally take precedence in

engine design and develop-

ment over considerations

ronmental sensitivity

towards aviation.

times during recent tests.

For example, there are

being fought.

Sustained growth will bring rewards, but competition remains intense

With world air travel forecast to continue growing that the bitterest aircraft at an average of about 5 per cent a year over the next 20 years, the world's airlines are expected to add more than 16,100 new jetliners to their fleets

The end-1996 total of 11,500 is forecast to increase to the General Electric GE-90, 23,600 by 2016, after allowing the Pratt & Whitney PW-4000 for the replacement of obso- and the Rolls-Royce Trent lete and environmentally with perhaps even more to unacceptable types. As a result, times are looking just engine builders is offering as good for the aero-engine builders as for the airframe constructors, and especially in its proposed very long for the big three - General range 200X version (canable of the US, and Rolls-Royce of over 15,900km or 8,600 nauti-

The potential market will be spread over all types of aircraft and engines. The payload of 355 passengers. biggest market by numbers, for both alreraft and engines, is expected to be the small to medium category with single-aisle twinengined airliners (mostly for regional operations) taking some 70 per cent of the market. The intermediate sized aircraft will take some 23 per cent, and the large aircraft, such as the Boeing 747, only about 7 per cent.

Manufacturers' estimates vary, but Boeing has put the value of the jet airliner market through to 2016 at some \$1.100bn. Up to about onethird of that sum can be considered likely to be spent on engines, around \$300bn. allowing for inflation, of which most will be for jet engines. Turbo-propeller engines, being smaller and cheaper, will take a smaller sbare of the overall sum. Consequently, competition, which is already intense, will remain so, if it does not become even tougher.

This applies across the entire spectrum of different types of aircraft, but it is especially marked in the Jumbo aircraft and the associated very big engine fields. which although small in terms of numbers are expected to command as much as 50 per cent by value of the total engine market.

It is because the costs of developing new airframe and engine designs to meet changing market demands are so high, that all the manufacturers have created families from their basic products. This is not a new concept in the airliner manufacturing business, but it 100,000lbs thrust during its has taken on an added development programme importance as different air- and has approached the new lines insist on different specifications to suit their own route networks.

The market is now far the engine builders are havmore customer driven than ever before, and because the competition for the business is so intense, the airframe and engine manufacturers have been obbged to meet the changing demands with the minimum possible changes to their basic core products, thereby minimis- such emissions will become ing costs. Flexibility of response to the customers' demands is the key to requirements could eventulong-term success in today's commercial airframa and engine markets.

This is especially the case such as thrust output levels in the large market now and fuel consumption.

PROFILE BMW Rolls-Royce

#### Partnership for the next century

International collaboration has for many years been a feature of the aerospace industry. Many projects have been undertaken in both civil and military airframes and engines. reaching back to the Angle-French Concords of the 1950s and 1960s.

Designed initially to spread the burden of costs on increasingly expensive projects, with the expectation also of winning wider markets, the concept has expanded dramatically and today there is hardly any major new aerospace project that does not involve some form of international partnership, going beyond sub-contracting to embrace financial risk-sharing.

This is especially so in aero-engines, with Rolls-Royce of the UK heavily involved in various partnerships in Europe, North America, Hong Kong

One of Rolls-Royce's most recent joint ventures is with BMW of Germany, BMW Rolls-Royce GmbH was formed as a German joint

1890, with Rolls-Royce holding 49.5 per cent of the equity. Its role is to design. develop, manufacture market and support a family of environmentally clean, quiet and cost-effective engines suitable for the larger business and executive jets, regional airliners, and military transport afreraft, expected in the early years of the next century.

Although more famous for cars, HMW began life as an sero-engine manufacturer in 1917. Before that, German aero-engines were developed and supplied by Motorenfabrik Oberursel, subsequently bought by BMW, with the Oberursel site now owned and operated by BMW Rolls-Royce.

which has emerged during the 1990s is known as the BR700 Series, developed round a common core. Such a concept increases the versatility of the power-plant (the core engine can be adapted to provide a range of power outputs as

The family of jet engines

aircraft manufacturers) and thereby increases the chances of commercial success. The BR700 Series engines have thrusts. ranging from 14,000ths to 23,600lbs. The company new has an order book valued at more than US 12hm. The BR700 Series was

larmched in March 1991. with the BR710 emerging as the first model in September 1992. The core engine first: rap on the test-bed in August 1993, followed on September 1, 1994 by the first full-ecale engine run on schedule at the company's Dahlewitz high technology development, test and essembly centre. The engine first flew in November, 1995 and was certificated by the European Joint Aviation Authorities (JAAs) in August, 1996. This was followed by certification from the US Federal Aviation Administration in

September. At a thrust rating of nearly 15,000ths, the BR710 version has been highly. successful. The engine powers the new, large-cabin such as the US Guitstream V and the Canadian Bombardier Global Express Both sircraft are capable of fiving 6,500 miles non-stone -BMW Rolls-Royce is the sele engine supplier in this market segment. From 2012. the BR710 will also power the UK RAF's improved Nimrod 2000 maritime patrol

In Pebruary, 1994 McDonnell Douglas of the US selected a new variant of the engine, the BR715 capable of throsts of between 18,500 and 22,000 bs. and designed for 90-140 seater regional airliners and large military transport sircraft. This version of the engine is intended for the Douglas MD-95 twin-engined airliner programme. The : first BR715 ran on the test bed at Dahlewitz on April 28 this year, with first flight set for the second quarter of 1998, followed by certification and entry into service with the launch

sustomer for the MD-95. Valuet Airlines of the US, in September 1999. A version of the BR715:

other projected new 100-seat twin engined jets, such as the Chinese-European AE-100. At last November's Zhuhei (China) air show, a long-term collaboration agreement was signed between Aviation Industries of China (AVIC), BMW Rolls-Royce, and Rolls-Royce of the UK.

These agreements are aimed at transferring manufacturing technology and techniques to China, including research work with a group of AVIC selected research institutes and universities. and AVIC engineers working with BMW Rolls-Royce in Germany. Already, parts for the Rolls-Royce's own Tay engine and the BMW Rolls-Royce BR700 Series are made by the Xian XR Aero Components Company, in which Rolls-Royce holds a 49 per cent equity stake.

market also figures strongly in BMW Rolls-Royce's plans. Earlier this year, on February 25, BMW Rolls-Royce presented in Bonn its BR700-TP 10,000

shaft horse power turbo propeller engine - its proposal for the projected new European Future Large Aircraft (FLA). The company has assembled a team of loading Enropean aerospace companies to develop the BR700-TP. including Hispano-Suiza of France, ZF Luftfahrttechnik of Germany, and Rolls-Royce Military Aero Engines of the UK. If selected in power the FLA, the engine could be in service in the early 2000s.

BMW Rolls-Royce is continuing its market development studics. Currently these include the possibility of using the BR700 Series to re-engine the Boeing 727 three-engined aircraft, many of which remain in airline service The Indonesian aircraft company, Industri Pesawat Terbang Nusantara (IPTN), has also been studying the BR700 Series as possible power-plants for its projected N2130 twin-engined 104-132 seat jetliner family.

Michael Donne

#### engine is also available for venture company on July 1, required by individual. long-range corporate jets. developing for long-range aircraft with lower seating capacities than the Jumbo jets - around the 300 level such as the twin-engined

Did you know? Beechjet King Air RAYTHEON IS A WORLD LEADER IN GENERAL AVIATION. With legendary names like Beech and Hall Raytheon provides business and regional aircraft to people around the globe. Add this to our track reserve

military aviation, and the result can be summed up in one word: performance. It's what enables Raythean

SAFETY • by Roger Bray

#### simple lack of funds?

Standards vary considerably around the world, and improvements are expensive

Throwing money at air safety is not the only way of lengthening the odds against disaster - but it helps.

For the world's airlines, the recent, grim sequence of crashes is bound to result in higher costs. Those who can afford it will grimace and get on with the job of modifying aircraft and procedures. Those who can't mey fall even further behind.

There was a certain irony ebout last month's tragedy at Shenzen, when a Boeing 737, operated by China Southern, crash landed and burst into flames on the runway. The re-structuring of Beijing's monolithic civil aviation administration has spawned almost 30 echeduled carriers. Only four are considered by the UK Foreign Office to be adhering to internationally recognised maintenance procedures". China Sonthern is one of

Doubts also persist over

up of Aeroflot has created fuel tank. more than 80 scheduled operators. States yet to be given a clean bill of health include Russia itself, Azerbaijan and Kazakhstan.

With so many airlines starting up in such a short time, the question for such emerging nations is how to find adequate resources to monitor their safety proce-

control barely exists except around major cities, the issue is often a simple lack of funds. This year has seen at least two crashes which are likely to axacerbate these problems.

The FBI announced recently that it now viewed mechanical failure, rether than a terrorist bomb or a missile, as the most likely cause of last year'e TWA disaster off Long Island, in which 230 people died. The US National Transportation Safety Board is keeping fts options open but whatever the eventual verdict, the ramifications look certain to be expensive. Though the Board has yet to determine exactly why, it says evidence auggests that an explosion

Soviet bloc. There the break almost empty centre wing ing that the mix of fuel and pilots on the North Atlantic,

It has called for action to rence. Of its four recommendations, only one is procedural. The others would all require aircraft modifications and only one - the refuelling of aircraft from cooler ground tanks appears to involve the Boeing 747 alone.

If they are all translated In Africa, where air traffic into mandatory instructions by the FAA (Federal Aviation Administration) and safety authorities in other countries, they could affect not just the world fleet of 1,000-plus 747s but other types with similarly located fuel tanks.

The Board wants to see them fitted with beat probes. so that temperatures can be monitored on the flight deck. It suggests fitting insulation between the tanks and nearby equipment which generates heat But it is the Board'e call

for a new look at nitrogen merting which could prove costliest. Unless there is oxygen present, vapours in the empty part of a tank cannot ignite. The US military has already tackled the problem the safety of domestic air occurred when fuel vapours on some aircraft, including

air is rendered harmless by increasing the nitrogen conreduce the danger of a recurtent. The military experience could belp reduce the expense of applying such

technology to civil aircraft.

When the possibility was considered in the late 1970s. American manufacturers warned that the total installation and operational cost could reach \$19hn over two decades, though an FAA document calling for industry comments on all the NTSB's recommendations leaves it unclear whether the estimate related to all the world'e operators - or just those in the US.

Another recent disaster has cost implications specifically for developing countries. The collision between e Saudi Arabian Boeing 747 and an Hyushin-76TD of Air Khazakhstan near Delhi-last November can only increase demands for the worldwide installation of TCAS (traffic alert and collision avoidance systems) which flash flight deck warnings when other aircraft come too close.

hits you." TCAS has already pre-vented several potential accidents but its use in husy airepace continues to cause pilots some concern. It is

for example, where the development of more accurate altimeters has allowed a recent reduction in minimum vertical separation between aircraft from 2000 feet to 1000. There have been reports that the equipment has set off unnecessary warnings. As one pilots' representative noted: "That's all right as long as they don't say ob - thet thing's always going off and ignore it when

sion" Over Africa, however, such irritations would seem insignificant. Captain Tony van Reerden, a past chairman of the International Federation of Airline Pilots' Associations' accident analysis committee, has put the problem in context: "For those of us who fly in the African region, TCAS is indispensable. Without this warning system, it feels, I imagine, as it would tapping a white stick as you cross a busy highway. You spend a lot of time hoping nothing

The employment of TCAS is already mandatory in US airspace and will become progressively compulsory in Europe from 2000. The price

there's e real risk of colli-

fitted with the latest electronic flight information systems is around \$85,000. But it can be more expensive if the aircraft is well past its youth. It is in emerging states that such jets are most prevalent. The International Civil Aviation Organisation, a forum for governments, has begun sending specialist teams to countries whose safety euthorities are most in need of advice.

Meanwhile their counter-

on fine tuning. The FAA has reacted to criticism that information on air traffic controllers to carriers subsequently report problems without fear involved in crashes had not of losing their jobs, will be been readily available to the extended on July 1 to public by listing lapses of include engineering and procedure or maintenance - maintenance staff. To those provided they merit fines of \$50,000 or more - on the tals, such sophistication

And in the UK, the Confi- luxury

dent Reporting Programme, which was devised to encourage first pilots, then struggling with fundamenmust appear the height of

NAVIGATION • by Michael Donne

#### Safer, faster, and cheaper

FANS promises significant economic benefits as well as efficiency gains

A multi-billion dollar global effort is now under way to ensure that the world air transport industry in the early years of the next century will possess a seamless global air navigation system. This would enhance safety in the increasingly crowded aviation environment, and also help the industry to save money hy reducing

flight times and fuel bills. This is the Future Air otherwise known as Communications, Nevigation and Surveillance/Air Traffic Management, or CNS/ATM), now being developed under the aegis of the International Civil Aviation Organisation (ICAO), the 185 memherstate aviation agency of the

This programme which momentum, although it is not expected to be completed until the early years of the next century. It has been devised to ensure safe. orderly and expeditious air transport where normal air traffic management is rendered difficult if not impossible by the limits to existing radar and radio aids, for example over large oceans or remote desert and other areas. It should also ensure that air safety is enhanced in the many ATM areas around the world where air traffic is densa but wbare disparate levels of capability and efficiency occur. The feature of FANS is

that it is satellite-based. By using a new technique called automatic dependent surveillance (ADS), information on an aircraft'e precise position can be transmitted directly from its on-board electronic navigation systems via geostationary satellites (which maintain a fixed position over tha earth's surface) to air traffic control centres without any direct action on the part of the flight crew. The ATC centres, either en route, at destination or even the aircraft'a home base perhaps thousands of miles away, can track the aircraft's progress, and call it up if any signs of trouble emerge. The system gives the flight crew a freedom to choose their own most direct course without intervention from the ground, thereby saving time and fuel. This has given rise to the term "free flight", but through electronic air-to-ground data transmission links, controllers can still monitor the aircraft and give warnings and directions if necessary.

Another vital element of the system is the creation of a new global aeronantical elecommunications network (ATN) that will link all ATC centres worldwide, enabling the swiftest possible transmission of vital information about all aircraft flights. The early version of the FANS systam, callad FANS-A, has already been

extensively tested over the Pacific Ocean and the North Atlantic with many countries in Europe, North America, Asia-Pacific and elsewhere involved, and has been found to work well,

It has been shown already to give significant economic benefits. For example, on a flight hy an Airbus A-340 hetween Los Angeles and Hong Kong, the use of FANS-A reduced the distance flown by up to 370 nautical miles, a saving of some 48 minutes in flying

When extrapolated over a year on some 160 return flights, this saving is calcu-\$4m. by trading the shorter sector into additional payload. There is a further gain of \$690,000 in reduced operating costs through reduced flying time. The payback for the costs of the advanced onboard equipment can be as short as two years.

With the success of FANS-A in areas of low trafbegan during the 1980s, is fic density, for example in now rapidly gathering the Asia-Pacific region, the world air transport industry is now moving into the next stage, FANS-B, designed for snch as Western Europe. north-eastern US and parts of Asia-Pacific. It is here that the development of the aeronautical telecommunications network will be crucial, and many countries are now auspices of ICAO which has specifically defined the ATN a major development programme.

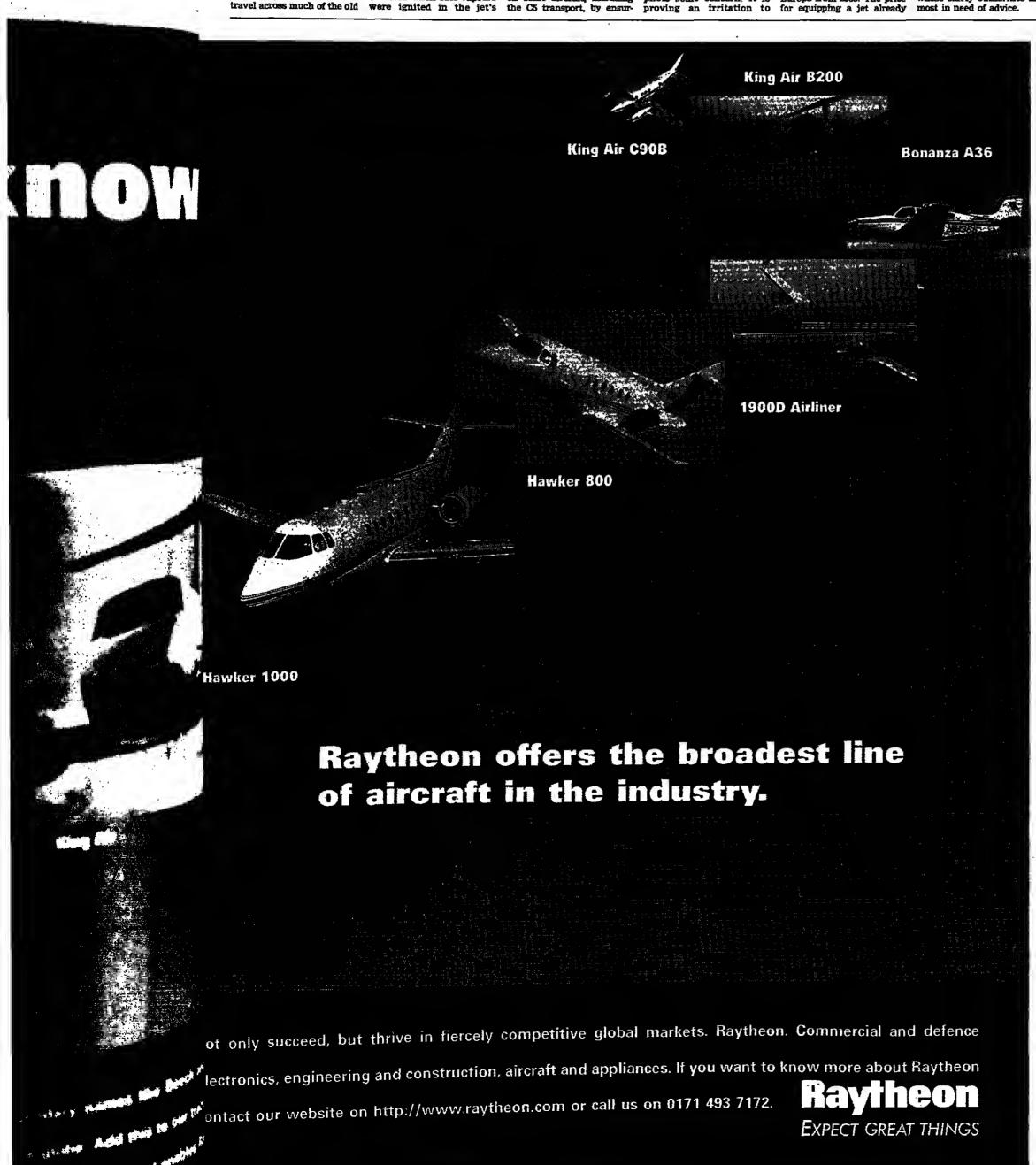
Because different parts of the world have different air transport densities, and different economic priorities, it is essential that the FANS A and B systems can be interoperable, enabling aircraft in such a mixed air traffic management environment to fly seamlessly between different parts of the globe without

FANS A. FANS B and non-FANS environments will probably therefore co-exist for many years.

There is still much work to be done, especially in the installation of the necessary advanced airhorne and ground systems, and the provision of more satellites, before the ultimate goal of a seamless global air traffic management system is achieved.

It will also be costly. although no precise figures have yet been calculated. The ICAO is aware of this and has set up a specialist body that includes the varions internationally representative bodies of airlines. pilots, air traffic controllers, airports, satellite and electronics equipment manufacturers, and all other key bodies involved in CNS/ATM implementation.

The aim, in the words of Dr Assad Kotaite, president of the ICAO council, is "to establish the closest possible links between all parties so that a firm framework for consolidation and co-ordination can be established to facilitate a rational approach



#### **8 AEROSPACE**









#### Relentless search for retail solutions

Pressure is on operators to tap new revenue streams to fund expansion

From glossy shopping malls to virtual reality games, the world's airports are increasingly diversifying beyond their core business in a ceaseless search for new sources of income.

It has been estimated that they will need to spend around \$500bn by 2015 if they are to cope with soaring traffic. The prospect that they will get much of it from governments looks more and more remote. Europe's alrport operators, in particular, are on the rack. Pulling one way is the need within the European Union, which could deprive them of

summer of 1999.

Three key factors, of the planners. International Air Transport until next April. Association forecasts that the number of international and domestic air travellers will have increased by 36 per cent between 1996 and the turn of the century alone. That represents a jump of 460m passengers, or more handled last year by Chicago

of Berlin's Schwnefeld, international passenger Tugging in the opposite carryings, from and within direction is the impending the Asia-Pacific region will abolition of duty and tax free rocket from 134m to 201m a sales to passengers flying year - never mind domestic traffic.

Airports are running to revenue totalling \$500m- stand still. Nothing could \$750m a year from the illustrate the fact more vividly than the recent announcement from Hong which the first is a Kong that a \$128m contract seemingly relentless has been awarded to build a increase in passenger second runway at Chek Lap numbers, are preoccupying Kok, even though the new The airport is not due to open

The second factor is continued pressure from the leisure and husiness travel sectors to hold down fares. There is plenty of evidence that companies which pruned travel expenses during recession have not than six times the total returned to their more profligate ways. A recent for massive investment, O'Hare, the world's busiest American Express survey quarts out of pint pots, the start up airlines to develop and 1995/96, trading profit such as the \$7.5m being airport. Over the same found that 96 per cent of US news has been mixed, new routes where traffic is from aircraft, handling predicts, firms operated cost Earlier this year Boeing too light to support the charges at its flagship

controlling air travel decided policies, compared with 81 per cent in 1994. Finally, although the

Dutch government's decision

to throw the environmental

debate could berald a sea change, business leaders fear that if their local airports do not keep pace in the competition for air traffic, they will lose commerce and industry to those that do. A report commissioned by British Airways argued that if Heathrow's Terminal 5 plan was rejected, higher fares and less convenient journey times could cost UK businesses another £1bn and that the country's tourist industry could lose up to

£1.2hn. For those desperately seeking ways of squeezing

there insufficient demand from airlines to justify going ahead with the development of a 550-seat Super Jumbo. leaving the field to Airbus expansion open to public average size of aircraft in service has increased - and with it the number of runways does not reduce passengers per flight. Preliminary figures for last year from Airports Council International show that traffic rose by 6.1 per cent while aircraft movements increased by only 1.7 per cent. The difference was most marked in North America, where passenger numbers were up 6.3 per

> 0.2 per cent. In Europe, perhaps because liberalisation is encouraging existing and

cent but take offs and

landings increased by a mere

was operation of big jets, the airport, Heathrow, roughly entertainment but airport per cent and 4.4 per cent. Only Africa and Latin America, where movements increased more rapidly than implications of further Industrie. Against that, the traffic, bucked the general

> Delaying the need for new pressure one terminal space, however. The problem is not just one of overcrowded passenger concourses. Some airports, of which Munich is an example, are facing a shortage of aircraft parking stands. Small surprise then, that airports are looking beyond landing fees and associated revenues in the drive to increase revenues.

> The rise and rise of airport retailing is best exemplified by the UK's BAA, one of its supreme exponents. Between the financial years 1986/87

respective figures were 6.2 doubled from £120m to managements bridle at any £252m, During the same period, the expansion of shopping boosted trading intent and the need to pro-profit from other sources by mote amicable relationships nearly 31/4 times to £497m.

Symonds Travers Morgan shows that other airports have a long way to go, however. At Vienna, for example, aeronautical revenues still represent 60.6 per cent of the total against 36.2 per cent from And even at Amsterdam's developed something of a resist. Though it is an reputation for duty free extreme example, Las Vegas revenues accounted for by coocessions (22.8 per cent) is only half that from aircraft

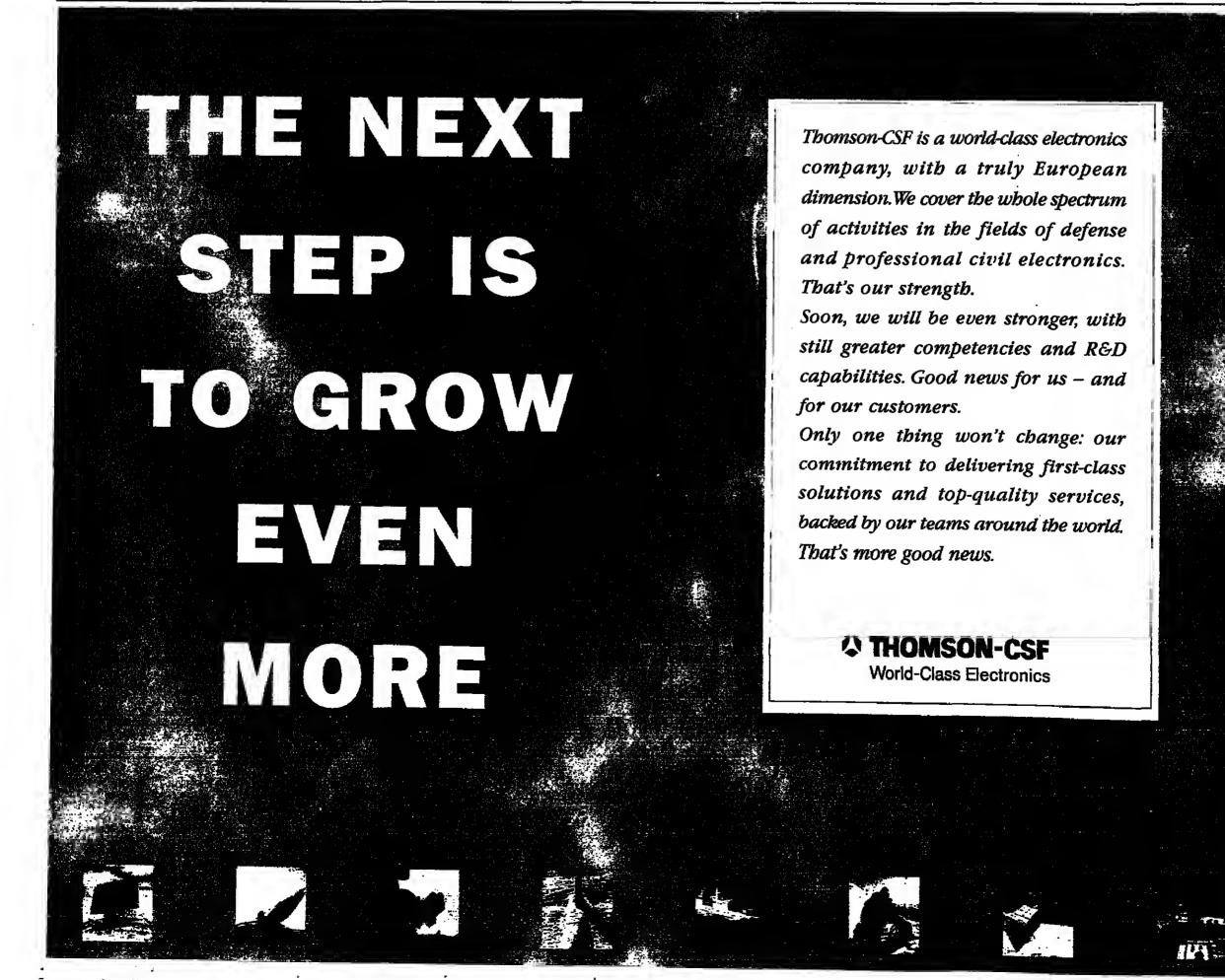
charges. Concessions also include

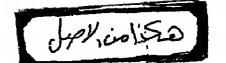
suggestion that they might become theme parks. Serious with local communities is Research by consultants likely to dictate a strong educational theme. Besides, there is a danger that passengers who are totally absorbed in virtual reality or gambling games could miss

their flights. Some have been wary of exploiting captive markets concessions such as through gambling. However, restaurants and shops. At those with no flights to des-Copenhagen the respective tinations outside the EU. percentages are 34.6 and 55.1. who stand to lose their entire duty and tax free Schiphol, which has income, may find it hard to shopping, the proportion of airport's 1000-plus slot machines are reckoned to turn over \$20m-\$22m a year. The prospect of earning even a small percentage of that

322 45

Jusive C





**AEROSPACE 9** 



Itions

E 4 . . .

Bernet . .

SHOWS • by lan Verchère

## Expensive, but the shows must go on

air shows: it is the scale of hospitality undertaken by the big companies and those keen to catch their eye which impresses the new

Manufacturers grudgingly acknowledge that they remain indispensable

When the US aerospace giant McDonnell Douglas dropped out of the Paris Air Show in 1993, the company saved appreciably on what it felt had become an over-expensive exercise in winning

What they hadn't quite appreciated, though, was the negative message their absence sent to one of the world's most intensely competitive and price-sensitive have dictated a more pruindustries.

was rife that one of avia-

was in trouble and could no longer afford to make its presence felt at an important industry gathering. Such actions are not new.

During the fat years of big defence contracts and limitless air traffic growth, aerospace manufactureres and their legions of suppliers habitually rolled out the red carpet at the Paris and Farnborough air shows on an indulgent scale. In the lean years that followed the collapse of the Soviet Union and the onset of industrial downsizing, bowever, tight balance sheets and even tighter marketing budgets dent and analytical approach Far from being seen as to the complex task of sellprudent housekeeping dur- ing military hardware and ing lean times, speculation commercial aircraft. In sbort, they asked, is it worth

Most industry principals in the 1990s, there is a gradginsist - some more grudgingly than others - thet it is. But the whole air show culture which this vast, and increasingly international industry has evolved since the end of the last war, has come under close scrutiny. Like fsw other industry gatherings, it is the scale of bospitality undertaken by the big companies and those keen to catch their eye which impresses the newcomer. For not only do they nies' exhibitions and events host non-stop bar and restaurant operations throughout these typically weeklong events, but they also commit huge amounts to fly-

ing displays, static exhibits and downtown entertaining. not only providing a shop Among US and European window for the UK aeromanufacturers. restructuring and consolidamany other exhibitors eager

Similarly, this year's Paris ing acknowledgment that air show - which alternates events like Paris and Farnwith Farnborough - will be borough - the world's two an unrivalled opportunity premier international air for world markets to observe shows - and regional shows what the French industry at Dubai and Singapore are has to offer as well as get an indispensable gatherings at update on the progress made which new contacts are in consolidating France's made, old ones renewed and two critical arms - familyexisting relationships reinforced. "It would be very run Dassault Aviation and state-owned Aerospatiale ~ surprising indeed," says into a more efficient whole. Peter Taylor, the Society of Rivalry between the two British Aerospace Compa-

tunes of the British and director, "if these firms French aerospace industries didn't want to show off their have waxed and waned over products to peers and the years, so, too, have views would-be customers. on which is the better of the As organisers of the Farntwo events. While Gifas borough show the SBAC is the French industry association - has undoubtedly invested more in giving its where space industry but also for Paris Le Bourget venus a

votes for its setting if not for potantial to overhaul the its lacklustre management. The SBAC, bowever has been galvanised into a major overhaul of enbcontractors, facilities and attitudes since the floor of the press chalet collapsed at last year's Airbus press conference.

The Singapore and Dubai shows have also become essential events for many of the world's top manufacturers eager to tap the burgeoning airliner and defence markets of the two regions. As more intimate gatherings. they are already setting new standards of comfort and efficiency that have not and Farnborough. While they are described ae regional shows, Singapore is seen by many as an event -

main European ehowe in

As more developing

nations eeek a foothold in the aerospace sector, there has been an accompanying proliferation of smaller air shows. Here again, say manufacturers, the need to attend is being driven by competitive forces. "Over the past two-year cycla alone," explains Mr Taylor, "the SBAC has taken a UK pavilion at 100 per cent more exhibitions than previously." What this means, he adds, is that the marketing budgets of member firms are being passed unnoticed in Paris stretched as they struggle to maintain a presence and win new business in emerging

better infrastructure, Farn- like the buge Asia-Pacific recently established showe

ment, others seek a manufacturing role. For example, air shows in South Africa. Chile, Japan, Korea, China, India and Indonesia are all sponsored by governments eager to find a bigger mannfacturing role for local firms in what they see as "cutting edge technologies". The cost of exhibiting at these events is also not always cheap.

venue, the combined cost of a hospitality chalet, exhibition space and hotel rooms can be up to three times greater than that at Farnborough. "So we're now in a eituation," says Taylor, "where there are many more players attending many more air shows in an industry increasingly organised While some host nations of into many more international partnerships.

In at least one Asian



AIRCRAFT ORDERS • by Michael Skapinker

#### Exclusive deals

Boeing has agreed 20-year sole supplier contracts with two US airlines

Mr Karel Van Miert, the European Union's competition commissioner, calls them "out of the question". Boeing, the US aircraft manufacturer, says they are none of Mr Van Miert's business. Airbus Industria, the European manufacturer, says they are not in the interests of airlines or con-

The source of this discord are exclusive airline deals the growing trend by airlines to appoint Boeing as their exclusive aircraft sup-plier for 20 years. Two US carriers – American Airlines and Delta Air Lines - have both selected Boeing as their sole aircraft supplier for the next two decades.

Other airlines, such as Continental of the US, are interested in reaching similar agreements with Boeing. Mr Gerald Greenwald, chairman of United Airlines, said last month that his airline might also consider concluding an exclusive deal with Boeing. He said: "We're looking at what the others have done. We're having some discussions but we haven't reached any concln-

To the airlines, the agreements provide price discounts and uniform fleets, enabling them to save money on spares, maintenance and pilot training. Boeing says that all exclusive deals so far have been with US companies only and are therefore outside the jurisdiction of the commission. To Mr Van Miert, however, the deals unfairly prevent Airbus from supplying aircraft to two of the world's

biggest airlines. The agreements mark a departure from the way in which airlines have traditionally placed their orders.

In the past, airlines asked the manufacturers - Boeing, Airbus and, occasionally, McDonnell Douglas - to bid for aircraft orders. After encouraging a price-cutting battle between the manufacturers, airlines would place an order and then repeat tha

same process the next time they needed aircraft. In 1990, United Airlines of the US, invited all three manufacturers to its home city of Chicago at the same time and asked them to submit their aircraft bids in a allowing American to renemarathon session lasting over 70 hours - a process which led to the carrier becoming the launch customer for Boeing's twin-en-

gine 777 aircraft. By concluding exclusive 20-year deals with Boeing, the airlines have surrandered the ability to pit suppliers against one another at regular intervals. Instead they have a long-term guarantee of lower prices.

American was the first airline to announce that it would buy its aircraft from Boeing only. Announcing the deal in November, Mr Robert Crandall, American's chairman, said: "Our new partnership with Boeing is a completely new way of doing business. It gives American a unique way to replace its existing fleet with great flexibility and at fully competitive prices."

American's order was large. It consisted of firm orders for 103 aircraft with list prices totalling \$6.5bn although American is certain to have obtained substantial discounts in return for making Boeing sole sup-

In addition, Amarican acquired "purchase rights" for an additional 527 jets over the next 20 years. These differ from the traditional options on aircraft. Options usually have to be exercised two to three years before the aircraft is delivered. With its purchasa rights, however, American will be able to

place its additional orders as little as 15 months before it needs narrow-bodied aircraft and 18 months before it needs wide-bodied ones.

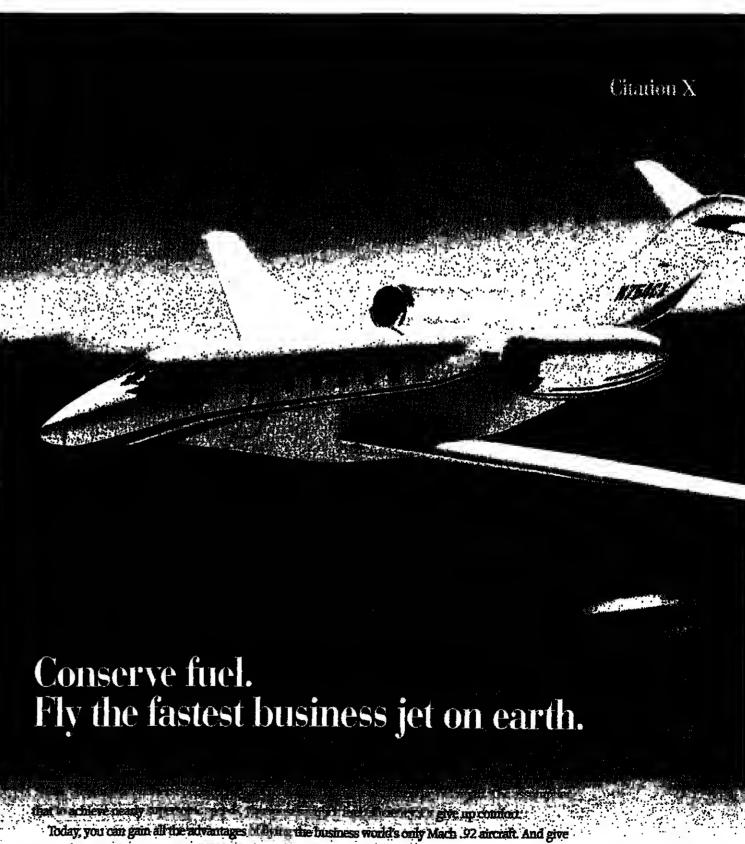
American made its order conditional on its pilots agreeing to a new labour contract. This proved difficult to achieve, with the pilots briefly going on strike before being ordered back to work by President Bill Clinton. Last month, the pilots and the airline finally reached an agreement, gotiate the timetable for Boeing's deliveries to start.

Delta'e 20-year exclusive deal with Boeing, announced in March, was for up to 644 aircraft. Of these, 106 were firm orders, with a total list price of \$6.7bn. Delta took options on another 124 aircraft and rolling options on a further 414. A rolling option is the right to place further orders when an option is exercised or expires.

Airbus argues that airlines take substantial risks when they conclude exclusive deals for such a long period. What happens, the European consortium says, if Airbus advance in technology which Boeing fails to emulate?

A greater worry for the industry as a whole is whether the exclusive deals will turn Boeing into a monopoly supplier. Beeing is due to take over McDonnell Douglas and will then control about two-thirds of the world's civil aircraft market. Airbus will be Boeing's only

If when the exclusive deals expire, Airbus is no longer around to provide competition, the airlines are unlikely to be able to obtain the keen prices from Boeing that are available today. Supportars of Mr Van Miert say this is why he is right to interfere. But United's Mr Greenwald says: "Exclusive supplier arrange ments are not limited to the



up nothing. For example, fly the Astron. X, and you'll use less fuel than the much slower Falcon 50FX will on any mission. And you'll do it in a spacious interior that's larger than any Hawker cabin ever built, and at speeds nearly 100 mph faster than any Hawker has ever flown.

The Citation X takes a lot of old theories about speed, efficiency and comfort, and throws them out the window. At over 600 mph.

For more information, contact Trevor Esling, Cessna Aircraft Co., U.K. office: Suite 2.4, Doncastle House, Doncastle Road, Bracknell, Berkshire RG12 8PE. Tel.: (44) 1344 304 630. Fax: (44) 1344 304 830. U.K. residents only: Tel.: 01344 304 630. Fax: 01344 304 830.

"Incorporated with limited liability in the state of Kansas, USA.

With you for 70 years. Making history. Building futures.



4 4 M

450 tales of airline success July July July July ind and the total and the test and the second of the secon We will not be the total t We we we we we we we we we we we we WE WE WE WE WE WE WE WE WE WE WE WE we we we we we we we we we we we WE WE WE WE WE WE WE WE WE WE WE WE we we we we we we we will not the we will see and we we we we we we we we we we and had not had had had had been and had been and had been and we we we we we we we we we we we We we we we we we we we we we we we will will will will will will be the wi we will will be be be be be be to be the best will be the best will be the best with the best will be the best with the best will be the best will be the best with the best will be the best wil and but but but but but but but but the but the but but we we we we we we we we we we we



All thanks to one nose.

Flying. It's absolutely the greatest thing to ever happen to travel. Especially if you live somewhere with direct and efficient service. 

That's the whole idea behind the Canadair Regional Jet. 
Since Bombardier introduced it back in 1992, this one aircraft has saved thousands of travellers tens of thousands of hours, by flying them quicker and more comfortably to their destination or connection. 
With over 650,000 flight hours in service, not

only is it remarkably reliable, the Canadair Regional Jet is also the quietest commercial jet in the world. What's more, it flies at higher altitudes to help give you a smoother ride along the way.

It's no wonder why 16 airlines around the world including Lufthansa CityLine, Lauda-air, Air Littoral, Brit Air, Tyrolean, Air Canada and COMAIR have purchased or taken options on a total of over 450 regional jets with our name on the nose.



#### Launching a defence

Ariane 5 is crucial, but costs must be cut in the face of stiff competition

FRE ETENE

It may safely be said that these are times of transition for Arianespace, the Francebased 53-company consortium that is the world's biggest commercial satellite organisation.

On July 1, it will welcome a new chairman, Mr Jean-Marie Luton, director-general of the European Space Ageocy, who will take up the reins on the retirement of Mr Charles Bigot, who reaches the age of 65 this

Less than three months later, all being well, the new Ariane 5 rocket will make its second flight from ESA's launch centre at Kourou in French Guiana. The tension in the run-up to this second mission promisea to be intense: the rocket's maiden flight on June 4, 1996 ended in disaster when it exploded after just 40 seconds as a result of a computer software failure.

Finally, a new Socialist government was recently elected in France which may have different priorities from its centre-right predecessor.

The previous government was considering restructuring Arianespace to make It more commercial, in plans that were thought likely to include reducing the 32 per cent stake in the consortium beld by the French space

Mr François Fillon, then space minister, said in April the aim was to "build a structure that was more market-oriented, more economic, more industrial, less public". Whether the new government will consider sucb changes desirable remains to be seen.

At present, French companles own 55.5 per cent of Arianespace. German companies, including Daimler-Benz Aerospace, account for 18.6 per cent and Italian groups 8.1 per cent. Belgian companies own 4 per cent and UK organisations 3 per cent.

The old centre-right government's concerns about how the proposed restructuring was bandled were thought to underlie its preference for Mr Luton, whose appointment followed an argument with European

aerospace executives.

The battle began in March when Mr Francis Avanzi. who had been expected to succeed Mr Bigot as chairman was summoned by Mr Fillon and told he was no longer the man for the job. The government was said to regard Mr Avanzi'a management style as too confrontational. Bnt its move was strongly opposed by European space executives who said Mr Avanzi had demonstrated his managerial skills since becoming chief operating officer of Arianespace

Mr Avanzi - a former head of CFM, the joint venture between General Electric of the US and Snecma of France - is not now expected to stay with the consortium His probable departure could be a serious blow at a time wben Arianespace, which has in recent years taken a more than 50 per cent share of the world's commercial aatellite-launching market, faces increasing competition not only from US rivals such as Boeing and Lockheed

Martin, but also from Rus-

sia, China and Japan. Ariane 5 is particularly important in the context of this increasingly challenging market since it offers the capacity to carry beavier payloads - a vital consideration as satallites become larger and more complex. When It eventually enters commercial service. It should be capable of launching two satellites with a combined mass of 5.9 tonnes (or one satellite weighing 6.8 tonnes) into geostationary orbit 22,000 miles above the

This capacity is crucial if the group is to continue launching two satellites at a time. Ariane 4, the rocket on which the consortium's success in recent years has been founded, is simply no longer big enough. Arianespace nevertheless successfully 10 Ariane 4 rockets in turing and launching our 1996.

Early this year, it emerged that the consortium had embarked on a drive to reduce costs in the face of by trying to reduce the time needed to prepare each Ariane rocket. It said at the time it was finding that a number of rivals were prepared to offer "very, very, very competitive prices" in a bid to penetrate the market. "Competition is more and more severe", it said, "We have to defend our position as leader.

Roger operationa director for French Guiana, described cost-cutting as "a major, vital objective". "We must reduce the costs of manufac-

rockets," be said. He predicted that link-ups among "the lowering of space transport costs". "We have to deal this mounting competition with two new giants in the space transport world. This is the association of Lockheed Martin and the association of Boeing McDonnell Douglas Rockwell. These are two market giants that have come on to the market with considerable products," ba

> Mr Luton's principal early priority will be ensuring the second Ariane 5 launch goes smoothly. Thereafter, he will need to turn his attentions quickly to protecting the consortium'a hard-won market leadership. It will be no



ه کنامن المول

er space minister François Filion (right) backed Jean-Marie Luton (left) to take over from Charles Bigot as Arias

ASIA • by Michael Donne

#### hared for future rewards

Collaborative ventures with the West are seen as the region's best way forward

The medium to long-term outlook for the Asian aerospace industry is now better than it has been for some time past. This is largely as a result of the emergence of both actual and potential collaborative programmes with Western aerospace manufacturers, both military and civil.

Over much of the period since the end of the second world war, the Asian aerospace industry was either non-existent or, for political, technological and financial reasons in various countries. tied to Western manufacturers. These companies, particularly from the US and the UK, found willing and reasonably priced production

skills readily available. While efforts were made for some indigenous aircraft. development, notably in Japan, such products as emerged were never really significantly snccessful launched 15-satellites aboard because of lack of develop-

Asian markets. Japanese production skills

were harnessed to the production of Western military aircraft and belicopters under licence, to build airframe parts for a succession of Western-built airliners, and to a collaboration with Rolls-Royce of the UK in the production of aero-engine components.

China was for many years tied to the former Soviet Union and, although with Soviet assistance it eventually developed a significant aerospace design, development and production capability of its own especially in military aircraft (and also undertook extensive subcontract work on a wide variety of Western-designed civil aircraft and engines, including the Rolls-Royce Spey), for political reasons it failed to exploit the possibilities of winning extensive foreign markets.

All this is now changing. There are four main factors for this. One is the widespread and growing recognition that advanced technology (which it is generally

nance of Western exports in and associated activities risk-sharing production par-Asian markets. and associated activities risk-sharing production par-ticipation with the West or such as avionics) is a key to much of the future economic development in several of the major countries in the region - China, Indonesia, Japan, South Korea and

Singapore. Second, political tensions have led many countries not only to bolster their military aircraft procurement from the West (a trend which continues to this day) but also to consider the possibilities of joint ventures or some other kind of participation in Western military aircraft

The third factor is the rapid growth of commercial air links with the West and within the region itself. The International Air Transport Association, representing most of the world's major airlines, has estimated that by about 1999, Asia-Pacific will represent just over 37 per cent of the world's total international schednled flights, climbing to more than 50 per cent in the following decade.

This prospect bas generated a rising demand for commercial aircraft, initially

speedily through aerospace keen desire to move onto eventual wholly indigenous development if possible, although that remains a long-term vision.

The fourth is the comparatively recent emergence of China as a determined aerospace player in the region which has concentrated minds elsewhere in Asia-Pa-

One illustration of the rising tide of interest in aerospace is seen in the growing shows in the region. Apart from Japan and Singapore, which have had regular aerospace exhibitions for years, there are now several others - China, Indonesia, Malaysia and South Korea, for example - indicating recognition of the benefits such shows provide as a means of demonstrating the host countries' market desires and whatever indigenous capabilitlas they may

It is recognised throughout the area, including China, that It is not yet possible either technologically or financially for any one Asiacountries to develop new and belicopters. Korean types of large advanced aircraft such as Jumbo jets or other long-range, high-capac-Ity aircraft. However, the extensive subcontract or risk-sharing manufacture of parts for such aircraft con-

type" of twin-engined shortto-medium range airliners can offer a reasonably speedy entry into the indigenous manufacturing field. Several projects are now being lined up, notably the AE31X family of 100-seater airliners in China through collaboration involving Aviation Industries of China (AVIC), Airbus Industrie and Alenia of Europe and Singapore Technologies.

But the smaller, "regional

The Indonesian IPTN (Industri Pesawat Terbang Nusantara) N-2130 is now also planned as a family of jetliners variously seating between 104 and 132 passen-

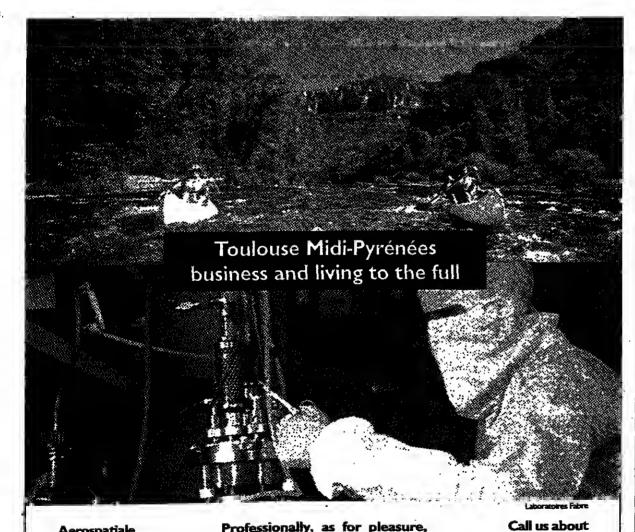
Korea is studying a broad range of civil and military aerospace projects on either an indigenous or collaborative basis, covering commercial passenger aircraft, light Western-built. But there is a Pacific country or group of combat jets and trainers, gest aerospace markets.

Air'a aerospace division. Daewoo Heavy Industries. Samsung, and Hyundai are interested parties. Western companies interested include the UK-French-Italian consortium Aero International (Regional) and Saab of Swe-

In military aircraft, Lockbeed-Martin of the US is interested in a joint venture advanced trainer/light combat aircraft. The problem with all of the many projects now being mooted, bowever, is not just the technology transfer involved (which some in the West see as possibly counter-productive in the long-term) but also

money. Many of the Asia-Pacific countries interested do not perhaps recognise the substantial sums that all aerospace ventures involve, and find the facts daunting when faced with them.

But Western companies For its own part, South must recognise that big outlays and extensive technology transfers will be essential if they expect to win a share of what will almost certainly be in the next century one of the world's big-



Aerospatiale Airbus İndustrie Alcatel Espace Bosch

Laboratoires Fabre Matra Marconi Space Motorola Nutrition et Santé Pioneer France Mais

Roquefort Société Sanofi Recherche Siemens Automotive

Storage Tek

chose

Professionally, as for pleasure, Toulouse Midi-Pyrénées offers a healthy balance. Business is at home; home is a pleasure.

Ask 108,000 students, 65,000 other Europeans, 10,500 scientists and all the business leaders why they chose Toulouse Midi-Pyrénées.

They will be enthusiastic about the remarkable mix of technology and know-how: aeronautics, space, robotics, biotechnology, electronics, food and telecoms.

But they are passionate about the sun, spectacular country, music or rugby - in other words, living to the

Why not come and join them?

MIDI PYRANEES

your projects

for relocation

or partnership

Midi-Pyrénées.

Tim Wood, CDP

London SW5 9DQ

Tel: 0171-370 6939

Fax: 0171-835 2081

36 Earl's Court Square,

in Toulouse

We're FLYING FANS. 161 - 49.4153 30 th Falk - 49 8153-35 2055 👱 Pratt & Whitney Canada First in the class.

Toulouse Midi-Pyrénées Toulouse Midi-Pyrénées, l'essentiel est ici Expansion

#### Giants waking to reality

US companies are petition which neither of the remaining teams can afford competing much more aggressively

for exports around the globe

Industry. With quiet rumhlings from the Pentagon indicating that consolidation has gone about as far as the teams is heginning to

emerge merger of Boeing and McDonnell Donglas is unlikely to face significant regulatory hurdles in the US, given the Pentagon's desire to see the deal completed. Nor is vocal European opposition likely to hold up the merger, although some ions may be offered to the European

The completion of the Boeing deal will create a commercial aerospace giant, and a rival to Lockheed Martin in the defence field. These two companies are likely to share production of all future large military aircraft platforms, and may move further into the increasingly complex field of naval and land systems, as the example of studies on a heavily armed "arsenal ship" indi-

Both companies work on the F-22 stealth fighter for the US Air Force, with Locknew McDonnell-Boeing team will make the F/A-18 E/F for the US Navy into the next century.

The other large programme which could shape any future consolidation of airframe makers, the \$100bn Joint Strike Fighter, is being to lose.

The third emerging giant in defence will not be an airframe platform manufacturer in the same way as Lockheed and Boeing, but The end game is in sight in shifts in Pentagon philosothe current round of ration- phy may help the new alisation in the US defence grouping compete on equal

Provided regulatory approval is forthcoming, Raytheon will bring together government would like to the missile capability of see, the shape of the winning Hughes' and TI'e defence businesses to add to its own existing expertise. It will While formal approval has also have a range of elecyet to he received, the tronic system capabilities to add to its specialities in precision weapons. This range of activities may benefit if the revolution

in military affairs advocated by the retired vice-chairman of the joint chiefs, Admiral William Owens, finally catches on Admiral Owens seee the coalescence of sophisticated surveillance. high-speed command and control computers and precision guided weapons producing a "digital battlefield." In this kind of information war. the US could map the location of all possible targets, communicate decisions on action to the appropriate commanders and deliver weapons on to their targets. No one is yet sure how far

this vision will translate into reality, but it will play to eome of Raytheoo'e strengths, helping to nentralise some of the traditional advantages held by the aircraft platform makers. heed in the lead, and the Lockheed is also very interested in this area, and Boeing would be bound to take a hand if the Pentagon etarted to spend substantial sums to turn the Star Wars image into hard programmes.

The fourth large US defence contractor, Northrop Grumman, could also benefit fought out between the two from any shift to informacompanies. As McDonnell's tion warfare. However, with rush into Boeing's arms in the Pentagon'e seemingly the wake of its elimination final decision not to buy any from the JSF programme more of its B-2 radar-avoid-



parts are equally likely to be

sold because of Pentagon

concerns about excessive

concentrations of power in

merger activity which will

spection may be a disap-

investment bankers, hnt the

industry probably feels the

need for pause. A phase in

which the recent deals are

digested is necessary, as

hoards drive through the

The slowing in the pace of

specific areas.

question marks over new empires which do not fit whether Northrop is hig well are divested. Other enough to remain an indepeodent competitor will

Northrop's skills in stealth and electronic warfare are well regarded by the Department of Defense, and would he a good acquisition for either Boeing or Raytheon. both of which lack stealth experience.

However, Boeing may be ruled out on the grounds of its scale, leaving the possibillty that some kind of rapprochement between Raytheon and Northrop is likely.

The shape of the compa-US defence scene may be likely to be a shaking-ont last year showed, it is a com- ing stealth hombers, the process as outposts of the ture will take some time to not be long in coming.

long before US companies return to the offensive as larger and leaner competi-

With the domestic market largely rationalised, and spending by the Pentagon likely to remain static, US attention will move increasingly to the international marketplace for new opportunities.

US companies are already competing much more aggressively for export opportunities around the globe, with the emerging markets of the Pacific Rim and central Europe being added to the traditional areas of Nato members and Middle Eastern states.

However, although competition is hotting up in these markets, the US approach is still largely based on traditional arms sales. It cannot be long, however, before US manufacturers, balked at home, seek deeper ties with their European rivals. Already companies such as British Aerospace and Daimler-Benz have had partnership links to the US on particular aircraft or technology demonstrators. Those links could be stronger in

If Europe fails to rationalise its defence industry to meet the challenge posed by the new US giants, then it will lack the scale or low cost base it needs to compete. Eventually, in a bid to survive, European compa-nies may turn towards US counterparts for deep alliances which will give them a lifeline.

accompany a period of intro-The US may see an opportunity to divide and rule the pointment for New York European defence industry hy offering attractive production partnerships to companies, which will eventually force them into the role companies come together to of sub-contractors to the US giants, form new cultures and their

So far the US has not fully nies likely to dominate the rationalisation benefits realised that it holds this US defence scene may be which are the justification of market power, but if the market power, but if the reasonably clear, but there is past deals. Europeans continue to likely to be a shaking-ont Yet while the new struc-



The Eurofighter will meet requirements of the four partner countries: UK, Germany, Italy and Spain

#### Hesitancy under attack

The UK, France and Germany need to act soon to protect their capabilities

"Hurry up and wait" might be the motto for the rationalisation of the European defence industry. investment bank rain-makers, who have and is also slowing down heen predicting a flood of deals for several years, have given up waiting for the deluge. "People continue to tell me things are about to haping my breath," said one recently.

Industrialists seem almost as downcast about the rate of progress. In spite of repeated rounds of talks and punishing flight schedules which must make the airlines' mouths water, frustration at the lack of progress is beginning to tell, with cynicism replacing optimism as the predominant feeling.

There have been come small successes in bringing together particular sections of the industry - the Matra-BAe Dynamics joint venture in missiles being the shining recent example. But the hirth pangs of that deal, three agonising years in the making, give some indication of the difficulty involved. The fact that it has not been followed by more substantial deals in spite of the announcement that McDonnell Douglas and Boeing intend to merge, underlines the point. Behind the difficulty is the

difference in attitude of the three European countries with very large defence manufacturing bases. Britain is in principle keen to rationalise as soon as possible, but having cut the cost of its own manufacturing base it is insisting that it will not pay for the cuts needed in France or Germany.

Germany accepts the need for rationalisation in principle, but has not yet braced itself for the political pain which would accompany large-scale job losses. While its industry is in private hands, most companies are subsidiaries of much bigger general engineering or electronics companies such as Daimler-Benz or Siemens. As a result, the boards of these giants have not necessarily focused as clearly on the need for rapid change and cost reduction as their Brit-

ish counterparts. France's industry is still largely in state hands, fragmented into several groups, and is isolated from the rest of the European industry as a result of French decisions to go it alone on many big defence programmes. As a result, it is keen to consolidate internally to improve its bargaining position before it enters European

Both France and Germany are suspicious that the British are keen to strike deals oow because the UK's lenner industry is in a good position to negotiate while the

the franc against the dollar tion in limited parts of the will eventually give a boost business. to civil aircraft profitability. This process is leading to French foot-dragging over

talks on military deals. Philosophically, France and Germany would also the other hand. Alcatel's bid like to see gentle rationalisa- would not produce any tion along the lines of cosy rationalisation at all. And pen, but I've given up hold- joint ventures which preserve the traditional Continental social consensus. Britain on the other hand, feels that more radical surgery is needed to respond to

the emerging US gorillas. All three countries are reluctant to give up the sov-ereignty which would he implied by a pooling of their defence industries, and have so far not been prepared to make many of the compromises over the operational capability of the weapons they want, which would make it easier to produce

common programmes. As a result, little progress has been made. British Aero-

Talks keep breaking down over the lack of a common view on the way forward

apace and Daimler-Benz Aerospace bave much in common, with the vast hulk of both companies' manufacturing likely to be on Airbus airliners or the Eurofighter combat jet in the early years of the oext century. Yet talks between the two keep breaking down over personality differences and the lack of a common view oo the way

There are also murky suggestions that every time the two appear to edge closer. France, fearful of being marginalised, intervenes to prevent progress by reminding German politicians of where their natural alliances lie,

One other natural pole around which rationalisation could take place is a merger of Thomson-CSF of France and GEC-Marconi of the UK to form a European defeuce electronics giant. Yet France, apparently fearful of the financial power of Marconi's parent GEC, has shled away from the idea. And while Thomson has been slated for privatisation, a full-scale deal with GEC was ruled out, when its attempt to bid alone for Thomson was vetoed.

Neither of the two hlds which were permitted for Thomson would bave produced effective European rationalisation. The Lagardère Group's bid does involve BAe and Daimler-

profitability of Continental Benz, but the structure procompanies is under pressure. posed by Lagardere would In particular, French compa- cement in a French majority nies are keen to delay across Thomson's operations because civil orders are pick- and restrict foreign compaing up, and the decline of nies to minority participa-

This would effectively Balkanise the electronics industry and would not allow the the incorporation of Airbus, management of the rather unwieldly joint venture to rationalise the different business areas effectively. On while it would potentially open the door to talks with GEC on pooling Thomson and Marconi, Alcatel seems more interested in talks with French aircraft makers Dassault and Aerospatiale, with the possibility of creating a French national defence

champion. Even Airbus, the Other bone for rationalising the aerospace sector, is slowing rather than speeding the plough. Aerospatiale, which would see the bulk of its operations transferred to Airbus if it became a single company, is dragging its heels. Yet the formation of a joint company io Airhus would hring the aerospace manufacturers together and might help in pooling

All of this manoeuvring for position may seem to be in the interests of each individual party, but it means that the European industry as a whole is eleep-walking towards a positioo wbere highly competitive US giants can squeeze the Europeans out of export markets and increasingly threaten the manufacturers at home.

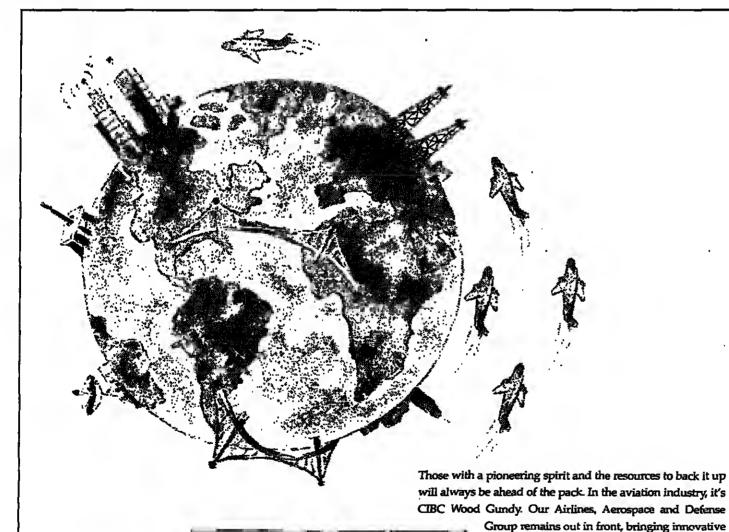
Under those circumetances, the private sector companies in o position to act may seek their salvation elsewhere. BAe and GEC could team up after their loog oo-again-off-again relatiooship. Either or both could seek transatiantic deals which would make them junior partoers hut would ensure survival.

Germany, never enthusiastic about the defence business, might be tempted to sell out. Siemens is already looking for a buyer for its military husiness, and there are long-standing tensions in Daimler-Benz Aerospace's relationship with its parent car maker which might

eventually lead to a parting. Under those circumstances France, which seems keen to hang on to self-sufficient ways, might be tempted to go it alone. But it would only he a matter of time before its industry was marginalised.

Such a series of outcomes would clearly not be in the best interests of the European industry, yet the barriers to successful rationalisa tion, and the current complacency of many involved, mean that sensible decisions are in danger of being missed.

If Europe wishes to uvok being divided and ruled, it had better act now.



IN THE AEROSPACE FINANCING MARKET, WE'VE DEVELOPED A VERY LOYAL FOLLOWING. OUR COMPETITION.

We have a dedicated team of financing professionals in the field. They're constantly exploring new markets, always ready to turn an idea into an opportunity. Our capabilities include merchant banking, high yield finance, private

placements, structured trade finance, derivatives and asset-based finance. We're also product experts in leasing, export credit and public finance. And this expertise is backed by the resources of one of the world's strongest financial institutions, the Canadian Imperial Bank of Commerce.

financing solutions to new frontiers in Eastern

Europe, Latin America and emerging Asia.

To put CIBC Wood Gundy to work for your company. contact Tom Gallagher, Luca Bettini, Tom Durney, Nicolas Forget, Emilio Pedroni or Bob Wagner at (212) 856-6600 or e-mail aero@CIBC.com.



Global Airlines, Aerospace and Defense Group

Providers of Figuretal Services to Airlines, Aerospace and Defense Customers Worldwid

(CIBC) is licensed to do business in the United States and is attiliated with CIBC Wood Gundy Securities Corp, a New York Stock Exchange or Corp, is solely responsible for its contractual obligations and commitments. The CIBC and Wood Gundy trademarks are used under license Approved for distribution in the UK by CIBC Wood Gundy pic, regulated by SFA.

## ght to get off the ground

The need for transporters increases but decisions seem painfully slow

Sometimes the world of military airlift seems to move as slowly as the air-

While the apparent need for airlift seems to increase almost daily - as Nato forces move towards rapid reaction and away from large-scale confrontation in well-defined locations - decisions on which air transporters to procure seem painfully slow.

McDonnell Douglas'e C-17 passed its biggest hurdle 18 months ago when the Pentagon decided that the performance and value for money of the aircraft had improved sufficiently for the US Air Force to complete its fleet of 120 aircraft

The decision to buy 80 aircraft, worth \$18bn to the company over seven years, must have come as a great relief to Douglas employees at Long Beach, California, and to McDonnell executives

Even so, the sheer cost of the aircraft has made it difficult to turn it into an export prospect. Overseas customers are said to have been offered the aircraft at about \$200m each, which is expensive even for traditional purchasers of sonbisticated Pentagon equipment, such as Japan. Nato's European wing has not seen fit to stump up for the strategic lift capability that the aircraft would offer. While there has been general interest in the aircraft, there have been no buyers.

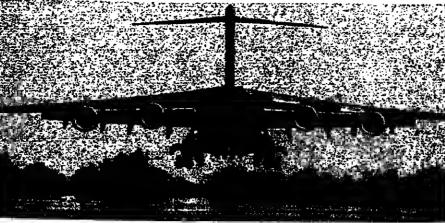
r attack

16.02

For all that, the C-17 may be faring better than its competitors. Lockheed is having teething troubles with the latest manifestation of its workhorse, the C-130 Hercules. The new two-pilot. C-130J which features digital avionics, fly-by-wire systems, more powerful engines and propellers and other improvements, is in

its most ardent fans. The Royal Air Force was

danger of upsetting one of



McDonnell Douglas C-17: USAF decision to buy 80 aircraft worth £18bn has come as a great relief

prepared to back the C-180.I. in spite of a fierce industrial fight with British Aerospace aircraft quickly and felt that the proven pack-horse was a better bet than the European Future Large Aircraft. Unfortunately, Lockheed has rather let down its launch customer, and first deliveries of the aircraft will be at least a year after the scheduled

November 1996 date. The more powerful Allison engines and advanced Dowty propellers have created an unusual air flow over the wings in some low-speed conditions, which could cause the aircraft to stall. A correction is being introduced, but it is not ideal.

There have also been problems with new flat-panel displays for the cockpit, which have delayed completion of the avionics for the aircraft. Lockheed save it is confident that the problems will be resolved soon, but the company is likely to face penalty payments to the RAF of between £20m and £40m, because the air force will have to keep its old Hercules in service, with their higher maintenance costs and three-man crews

Backers of the Fnture Large Aircraft are in no position to crow, however. In spite of moves to transfer development of the aircraft to Airbus at the Paris air show two years ago, little progress has been made on starting development work. The manufacturers backing the FLA recently failed to

win \$75m of pre-development funding they were looking for to flesh out some aspects of the design while they wait to see whether the aircraft will win formal backing from the governments of

France, Germany, Britain

and Italy. ence the problem is In ess that military budgets are under pressure in all four countries, particularly in the approach to European economic and monetary union. France and Germany can wait to replace their airlift capability, and are tempted to delay the programme until the squeeze of Emu has

Britain, and to some extent Italy, will have to make earlier decisions about their ageing fleets. Work on the FLA would have to start immediately to meet Britain's need to replace its second batch of 30 old Hercules from 2004.

With no money in government budgets, defence ministries keep trying to talk of commercial funding for the FLA. However, no one has managed to find a formula which commits governments firmly enough to buying the aircraft on terms acceptable to the manufacturers and which any banker would

In part these problems are a function of the low priority accorded to airlift by the military. This essential, but unglamorous, role finds it difficult to win the battle for funding, even though mili-

accept.

corps. It has also set up a permanent joint headquarters and has brought airborne troops and marine commandos together in a rapid reaction force. The previous Conservative government was gradually edging the forces towards more mobile units which could be deployed globally – a move likely to be accelerated by the new administration. Yet for all that, the UK is

struggling on with its old Hercules fleet, has yet to receive any new C-130Js, cannot decide whether to lease half a dozen C-17s for strategic airlift, and has not formally committed itself to

Trouble spots such as Zaire, Perhaps the fact that air-lift can be chartered on the international market or borbut they do not seem to rowed from the Pentagon is The example of Britain to blame. Whatever the reaunderlines this point. The son, airlift remains a Cinder-UK has command of the



Lockheed C-130J: first deliveries of latest manifestation to RAF will be at least a year late

MISSILES • by Bernard Gray

towards rapid deployment

Bosnia and Rwanda may

underline the need for airlift.

make it easier to get aircraft.

#### Pentagon Sidewinder surprise

Recent developments have confounded expectations for this year

The year following the 1996 Farnborough air show was to have been the year of the two missile competitions. Instead it has turned into the year of tha two missile companies.

Attention was focused on the prospect that the Pentagon would be buying a new short-range missile for the US Navy to replace its venerable Sidewinder, at almost the same time that the British Ministry of Defence was to order a new long-range missile for the Eurofighter. Since Britain had a new short-range missile to offer, and the US had a long-range

Life, however, is not like tary emphasis is shifting that. At the end of last year, hawk land-attack missiles

weapon it was keen to

update, a deal seemed possi-

under preesure from a deeply conservative US Navy, the Pentagon plumped for an improved version of the existing Sidewinder. Hughes won the \$169m development contract with its Evolved Sidewinder bid in a victory which is likely to give it manufacturing business worth \$2bn. British Aerospace, which had offered its Advanced Short-Range Air-to-Air Missile, was deeply disap-

The decision prompted Raytheon, which had been in talks to buy Hughes earlier in the year, to renew its interest in the company, which had been formally placed on the market by its owner, General Motors.

Raytheon eventually beat Northrop Grumman to the punch for the business, and if the deal gets regulatory approval it will have control over US short and mediumrange air-to-air missiles, US ship anti-air missiles. TomaStand-Off Weapons, Raytheon would be so strong that the Pentagon, which does not oppose the deal in principle, might force it to divest some of its business to maintain competition in the US missile market.

In Europe, as usual, things are less clear cut. The British MoD, faced with rival bids for its £900m Eurofighter missile competition from a European team led by Matra BAe Dynamics, the joint vanture successor to BAe in missiles, and the British end of the US giant Hughes, did not make a decision. Instead it opted to give both teams £5m to reduce the risks in their bids, and delayed a decision for 12

Interpretation of the MoD's action is varied. The MoD says that the decision was made purely because there was too much uncertainty about the technical proposals offered. In essence. the MoD wants a missile

months.

and air-to-ground Joint capable of manoeuvring at son-CSF provides an interlong ranges, to give the esting straw in the wind. Eurofighter a greater chance Lagardère Group, the parent of victory in any fight. To do of the French half of Matra BAe, is bidding and has this both teams proposed recruited LFK, the missile adding a ram-jet to a conveneubsidiary of Daimler-Benz tional missile, a technology Aerospace, to its team. which has been tried before, Matra BAe is also to take a but not on a missile as small

as those proposed. It is this minority stake in LFK, in a move which confirms that the MoD wants investigated. there is likely to be only one Yet there is a suspicion that delay favours the Eurosignificant missile house in pean team. Hughes' offer is based on its existing Europe, based around Matra BAe Dynamics. This will be Advanced Medium Range particularly true if Lagar-Air-to-Air Missile, while the dère wins Thomson, whan European offer needs to be efforts to form a second misdeveloped. This puts Matra siles business around a combination of Aerospatiale, Thomson and LFK will have BAe at a cost disadvantage. unless another Eurofighter nation also wants to procure been undermined. Even if Lagardère does not the missile and contribute to

development funding. win Thomson, it seems unlikely that a second mis-Germany would be a natural partner, but its budget sile house will emerge in problems mean that it is Europe. It will then be interunwilling to sign up now. esting to see which of the Delay gives Matra BAe lontwo new emerging power houses can consolidate its ger to sign the Germans up. In this context, rival bidposition, cut its costs and ding for the French defence start winning international electronics group Thombusiness most quickly.



## A world standard fighter takes shape

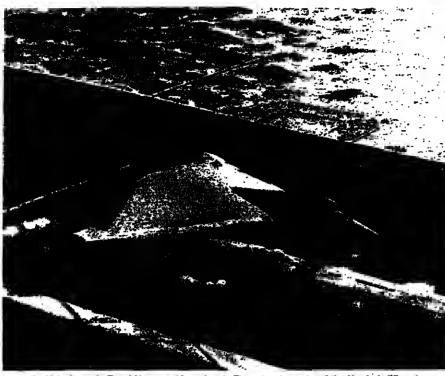
The project is likely to get more funds and be in service sooner than expected

The Joint Strike Fighter is at first blush one of the winners in the Pentagon's recent defence review. There were fears that the combined \$350bn cost of Lockheed's F-22 stealth fighter, McDon-nell'e F/-18 E/F US Navy strike fighter and the Joint Strike Fighter could break the Pentagon's budget and lead to cancellation. But all three survived - and the JSF took the smallest relative

Far from crashing and burning, the project has gained ground on its compet-

The 3,000 aircraft programme is intended to pro-vide the US Air Force with a replacement for its singleengined agile F-16, the US Navy with a "first day of the war" stealth strike fighter to replace its Grumman F-14s. and early F-18s, and the US Marines with e supersonic replacement for the vertical take-off and landing McDonnell AV-8B Harriers.

Neither Boeing nor Lock- involved in operating fast heed, which are competing to provide the design for the JSF, will lose sleep over tism of the service, and the about 100 aircraft being cut fact that the idea was from the number provisionally allocated to the US Air bave also pleyed a Force. They are likely to focus instead on the fact that the Pentagon has ordared the Nevy to cease production of the F/A-18 E/F from 2008. if the JSF is ready to replace



Boeing's JSF, shown in Floyal Nevy markings, has built on the strengths of the Harrier's lift system

very reluctant to apply the some US thinkers, under principles of radar-avoiding which America would make stealth technology to its airfull use of all of its technologies to dominate any battle craft. That may be in part because of the difficult envispace at minimal risk, is in ronment and dangers part behind the move.

Whatever the reason, the jets from aircraft carriers. push is likely to mean that But the natural conserva-JSF gets more funding for earlier development, and is likely to be in eervice invented by the Air Force, sooner, than earlier predic-

With the aircraft having the benefit of e huge home gon's decision eeems to market prodoction run, imply that it will insist that atrong export eales are the Navy embraces stealth likely, and the JSF could and abandons its old ways. become the world standard The Revolution in Military fighter in the first quarter of The US Navy has been Affairs being proposed by the next century.

The prospect of \$100bn of sales in the US and as much again ebroad is a mouthvatering prospect for manufacturers. The programme is so important that the loss of the deal would be a near-fatal blow. The aircraft is so important that elimination from the competition last eutumn was sufficient to force McDonnell Douglas to sue for terms with Boeing.

JSF programme made its position in the fighter business untenable. So critical has the programme become that ana-

McDonnell has suffered a

number of other blows, but

the loss of its place in the

US Marine Corps varight of Lockheed N

lysts are starting to say that two very different design JSF is too important for approaches tell a different either of the remaining competitors to lose. As a result, many say that the Pentagon will ensure that whether Boeing or Lockheed's design is successful in the 2001 runoff, both manufacturers will be included in the final con-

Before that, however, the programme has to survive as e single entity. There are strains involved in trying to reconcile all the competing requirements in one aircraft. While the manufacturers say that the compromisee needed are small, and the commonality is great, the

Lockheed's design has the look of an F-22 remade for the mass market. Its looks, its parentage, its low cost and low risk will clearly appeal to the Air Force as it tries to extend stealth to all its fighters. However, Lockheed's approach to solving the problem of short-take off and vertical landing may find less favour with those who have to fly under combat conditions. Boeing has built on the

exieting strengths of the Harrier's lift system, and has

something designed to appeal to the Marines as a heavy machine capable of bringing large bomb loads to attack the beach. Its looks, however, are unlikely to

appeal to Air Force generals used to pencil-sharp darts. Given that the Navy is not that keen on the aircraft anyway, the programme may split into a Marine and Air Force variants which are very different. This would trace back to the roots of the programme, where Congress artificially crunched efforts to produce two very different

aircraft into one programme. This makes life difficult nies keen to join the programme. In particular British Aerospace is in a deep bind over which team to join. A decision has been beld up for almost six

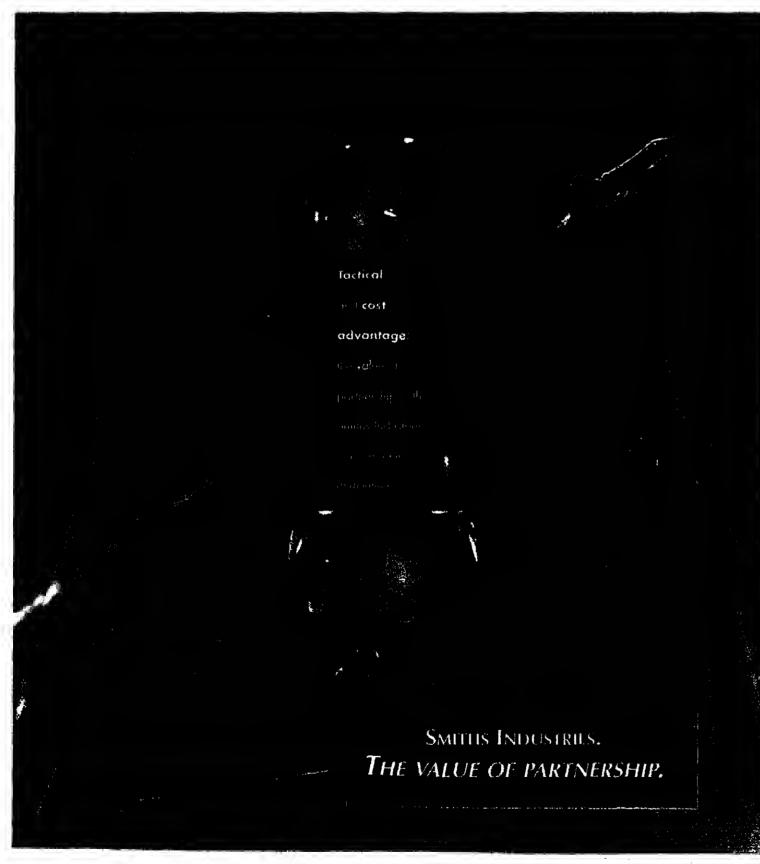
The British Ministry of Defence has put \$200m into the JSF programme in the hope that it will produce an er com aircraft capable of replacing the Sea Harrier on any future aircraft carrier. Now that BAe's original partner has been eliminated, it must

choose one of the new teams. Choosing Boeing might seem more sensible, because its design is more likely to produce the aircraft the Royal Navy wants, is based on ideas originally fieshed out by BAe in the Harrier, and Boeing had offered BAe more interesting intellectual content on its programme.

But going with Boeing would be seen as highly disloyal by BAe's European partners to the Airbus civil airliner programme. If Airbus is to form a strategic link with any US manufacturer, it is more likely to be Lockheed than Boeing, and BAe could then find itself in the uncomfortable position of being part of the wrong partnership.

Lockheed has in any event improved its offer to reflect Boeing's proposal, and its aircraft would offer the prospect of a much longer production run of conventional take off aircraft for the world's air forces.

As Sir Richard Evans, BAe's chief executive, ponders these possibilities he must be reflecting that even great opportunities are not



Smiths Industries is helping the world's most advanced aircraft succeed tactically and financially. A commitment to innovation has resulted in significant operational and cost benefits for our military partners. Close working partnerships ensure that our solutions deliver the performance and potential our customers need.

Call us for more information. UK;+44-(0)181 457 8203; USA: (616) 241 8643 www.smithsind-perpspace.com



CIVIL & DEFENCE AVIONICS SYSTEMS . NAVAL & MARINE EQUIPMENT . PRODUCT SUPPORT



**HELICOPTERS** • by Bernard Gray

#### A bespoke and expensive industry

High costs make it difficult to win orders from cash-strapped governments

After years of inactivity, it took the biggest merger in the aerospace sector to start the rationalisation of the much smaller helicopter industry. Only the merger of Boeing and McDonnell Douglas, it seems, was enough to produce real progress in an industry which seems stuck

If the merger receives regulatory approval two of the four US helicopter manufacturers will at last be brought together. Boeing, which makes the Chinook medium transport helicopter and is a half-partner with Bell in the \$42bn V-22 Osprey tilt-rotor programme, will join McDonnell Douglas, maker of the AH-64 Apache tank-busting

helicopter. Whether this aspect of the merger will regult in much short-term saving is, however, doubtful. Perhaps this is why the momentum for rationalisation has been lacking. Helicopter design and production are so idiosyncratic that the machines may always be bespoke and

There may be some small savings if production is concentrated at one Boeing site, however. There are almost certainly savings to be made in the support and maintainance of existing helicopter

It will be in the design and

ment that real gains can be made. Beeing is working on the new RAH-66 Comanche scout and ettack helicopter, and its team may learn from the experience of McDonnell engineers in updating the Apache to take the new Longbow radar system. Improvements may also be made in the Comanche design as a result of the Apache demonstrating the need for modular systems, so

Provided the merger is handled sensibly, and the experience of both teams of engineera is brought to bear, Boeing could be a winner in this sector of the market.

The company may also

that helicopters can be more

easily maintained in the

benefit from the Pentagon's recent decision to increase the rate of production of the Osprey - even though total numbers to be procured were cut in the recent defence review. With production of Chinook and Apache helicopters at a low ebb, the company could use the extra work in its factories now, particularly as it hopes that civil and export orders will eventually replace Pentagon demand,

Meanwhile, the other two US manufacturers, Sikorsky and Bell, continue to languish. That is also the sorry state of the three European competitors, Eurocopter. Westland and Agusta.

These companies show that while rationalisation benefits do not flow easily in this industry, the high costs of production make it very difficult to win orders from production of new equip- cash-strapped governments.

Consolidation may not be easy, but the laws of the

EASONS

MOUNTER

market continue to apply. Eurocopter has at least won approval for its Tiger attack helicopter, although production is to be much slower than originally envisfirst of its anti-tank versions of the Tiger for more than a

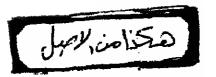
And while both the French and German governments are still committed to the NH-90/MH-90 medium transport helicopters, severe budgetary pressures remain and its is unclear how quickly production will build up. This is especially true of the naval version of the NH-90, which may give additional life to versions of the West-

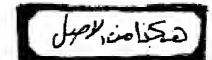
land Super Lynx. However, while Westland continues to market the Lynx, it has had a number of disappointments in the past year, particularly in Austra. lia. Price, it seems, remains a problem for defence ministries which are keen on the Lynx's canabilities.

Westland is also pressing on with the new Merlin antisubmarine warfare helicop ter for the Royal Navy, but it and Agusta, its Italian partner, have found the export market for any of the versions of the EH 101 helicop-

ter tough.

Westland is also struggling with production of 67 Apache helicopters for the UK, following the government's decision to fit the sircraft with Rolls-Royce rather than General Electric engines. Even in a bespoke cottage industry it seems, it does not pay to play with the







FINANCIAL TIMES QUARTERLY REVIEW OF THE AUTOMOTIVE INDUSTRY

New and updated. industry , Page 8 Page 7 The tyre industry Pages 8-9 Iberia's motor industry ...... Page 10



Thursday June 12 1997

Supply of vehicle parts is concentrated in the hands of just a few specialists. Now vehicle makers are questioning the benefits to them of this trend, writes Haig Simonian

#### Alarm bells ring over components

The relentless consolidation: be harder to play off against of the auto components one another than the myriad industry is changing the component makers of the relationship between vehicle makers and their suppliers. In the first five months of this year, mergers and acquisitions worth more than \$1.5bp were recorded among parts companies - and that was based on published deals alone.

Such rationalisation is changing the face of the components sector. Already, in crucial areas like seats. brakes or airbags, the business has been concentrated among two or three global

Even in tyres, traditionally an independent sphere, manufacturers such as Michelin have expanded into linked activities such as wheels.

A STATE OF

ke and

ve industr

Such rationalisation is inevitable as the motor industry becomes more global, and technological demands increase, These forces have raised the financial and management burdens on smaller suppliers, and provided opportunities for the best-capitalised companies, encouraging the

But as the number of key suppliers continues to dwindle, vehicle makers are starting to ponder whether a process which they have largely prompted and encouraged may be turning against their best interests. Fewer, bigger suppliers will as brakes where the busi-

Vehicle makers ars reducing their supplier lists to cut costs, the reward for lower prices being bigger orders. They are also looking to a new breed of "system integrators" to provide entire sub-assemblies, rather than individual parts. thereby simplifying logistics and facilitating vehicle assembly.

The concentration on a smaller pool of preferred suppliers is also part of the vehicle makers' gradual shift of responsibilities to outside specialists to design, engineer and deliver whole subassemblies to reduce their own costs and accelerate product development times.

But the pace of concentration has prompted some vehicle makers to question whether the process might prove ultimately counterproductive. Last year's big mergers and acquisitions, such as Bosch's purchase of Allied Signal's brake business, or the Lncas-Varity and Morton-Autoliv mergers, has led some purchasing bosses to argue rationalisa-

tion has gope far enough. Bnt vehicle makers may have unleashed a process they cannot stop. While the pace of consolidation may decline in some areas, such

ness has already thinned down to just a handful of global players, the frenzy of rationalisation still bas plenty of scope in other parts of the supply line.

More significantly, vehicle makers would be shortsighted if they supposed that the concentration among their suppliers will stop at links between functional specialists. So far, consolidation has been functional: seatmakers have hought seatmakers, or companies making other interior components, bs they carpets, headliners or door trim. .

However, there is reason to believe the next phase of consolidation will come through cross-functional deals. That could see a leading seatmaker, such as Johnson Controls or Lear, which has already expanded into carpets and trim, moving further.

Steering wheels, fascias and switchgear are obvious steps. But what is to stop leading players going further by, say, buying or allying with instruments panel producers or even atroag specialists? The creation of such sup-

pliers has barely been raised, as observers have been ewept up by the pace of intra-functional consolidations. But with no sign of a slow-down in rationalisation. the next stage looks inevita-



#### Electric vehicles are a turn-off

Vshicle makers and California's clean air authorities are having to face the harsh reallties how difficult ls it is persuade consumers to buy or lease slectric vebicles in the cause of a cleaner environment, writes John Griffiths.

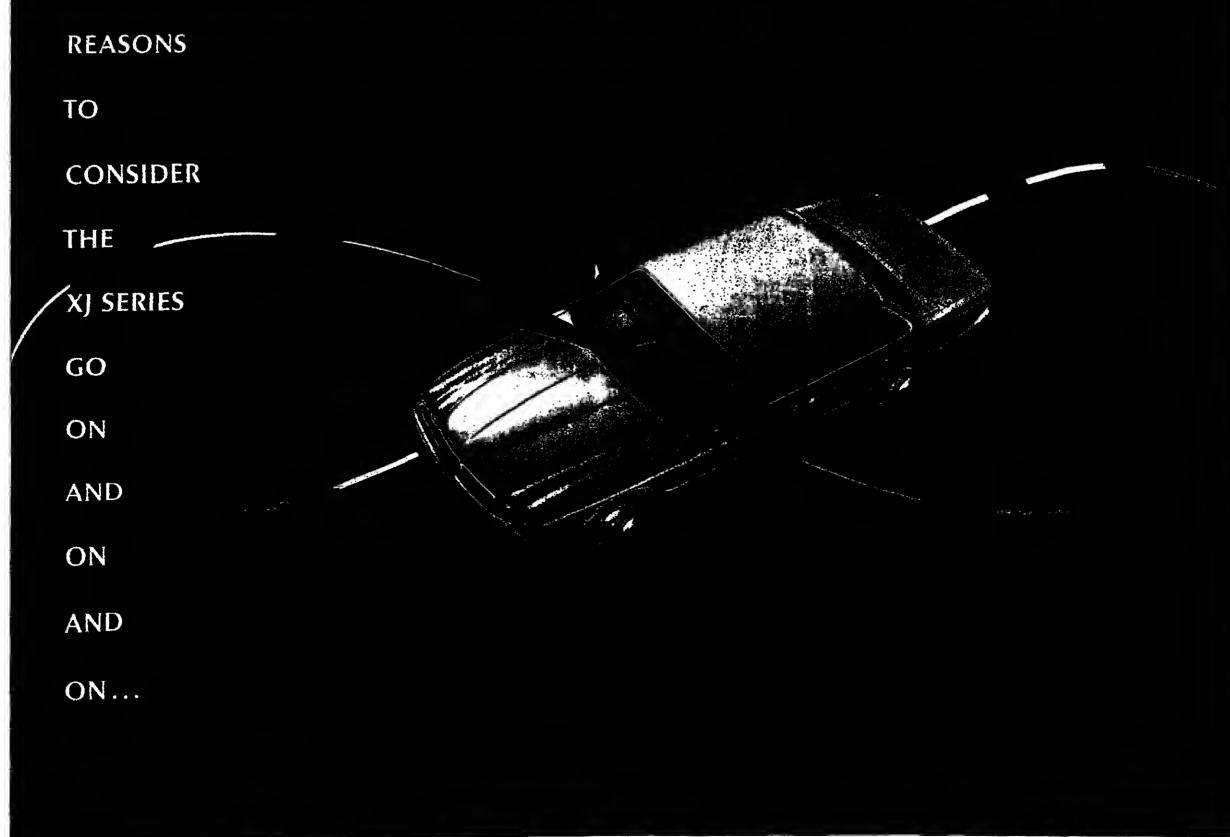
Geoeral Motors has been forced to cut the rental cost of its EVI electric car, introduced with high bopes into the Callforniao market late last year, after only 176 found takers and despite an advertising "spend" which already equates to \$219,000

GM'e action coincides with the publication of a study by J.D. Power, the influential consumer monitoring aod market research group, that only around one in four Americans is prepared to consider buying or leasing an "EV" (electric vehicle) and even then only if it can genuinely meet their transport needs.

The study made clear that "the true success of the EV will be based on its performance as a vehicle, not as an environmental solution", according to Mr Tom Gohmann, J.D. Power's research

The two developments represent a sharp setback for the Californian Air Resources Board (Carb), which has already had to modify legislation requiring the mandatory introduction of EVs to the Californian

--- Continued on Page 9



Ask a cost-conscious motor expert about 'Intrinsic Value' and 'Competitive Whole Life Running Costs' and you'll very likely never hear the end of it. Where the XJ Series is concerned,

those experts have come out in force. Fleet Management and Business Car, Fleet Car, and Fleet News have repeatedly voted Jaguar the Best Luxury

Car' available in the UK.

Our manufacturer's 3 year/60,000 mile warranty (something no one else beats in this class) probably swayed them a little bit.

As did the automatic transmission,

Connelly leather, climate control and alloy wheels that arrive as standard on the latest X) Executive.

Even the Cerman press has been

Sport voted the XJ Series 'Best Imported Luxury Car' In 1995, 1996 and 1997.

High praise indeed. But it's always IAGUAR worth remembering that a test drive speaks louder than words. BON'T DREAM IT. DRIVE IT.

#### People

#### No-nonsense Scaroni takes Pilkington helm

England beadquarters of Pilkington, after last month's surprise elevation of Mr Paolo Scaroni to chief executive of the traditional British glass

The no-nonsense Italian, who first if not enough", he says. got to know the company during a 12-year stint at Saint-Gobain, its French arch-rival, drew closer to Pilkington after masterminding a bid for SIV, the Italian state-owned

Mr Scaroni was then running the Italian arm of Tecint, the big Argentine industrial group, which was Pilkington'e partner in the deal. Fearing a venture into the unknown in its first big Italian acquisition, Pilkington decided to err towards caution in teaming up with a local player in bidding for SIV.

That was back in 1993. Three years back by the British group to run its quately, he argues. illustrious but financially unexciting automotive products side. Then, last month, he was made chief executive of the whole group.

Mr Scaroni is fulsome in his praise of Pilkington's technical achieve-ments and its international presence in car glass. But he is scathing about

Things will probably never be the its inability to match its earnings to same in St Helens, the north-west its market share and other achieve-

The automotive business, which has sales of about £1.3hm a year -about half of the group's group turnover - "is making some money, even

While Pilkington's automotive activities in the US and the rest of the world "are both in good shape", Europe, which accounts for about 50 per cent of the automotive side, has en consistently disappointing, he

The short-term problems lie in original equipment and the aftermarket. Mr Scaroni's challenge in OE is to rationalise Pilkington's hodge-podge of plants into a much more efficient and profitable whole. While Pilkington has spread its tentacles into many markets, mainly through opportunistic acquisitions, later, Mr Scaroni had been lured it has failed to rationalise ade-

There are 17 auto glass plants in Europe alone. "We have to restore manufacturing efficiency," he says. Pilkington has been very good at acquisitions. But you have to squeeze out the synergies or else you don't get the results.

The first priority is to cut costs.



annual savines." he says.

Bycontrast, the aftermarket requires improvements in marketing and distribution, rather than production. The model is Pilkington's US operations. "If we could achieve the same results in Europe as in America, it could mean £100m to £200m. more in sales a year," be says. Mr Scaroni wants virtually to don-

Last week he announced that about ble automotive operating profits to 8 2,000 would be cut from Pilkington to 10 per cent of sales within the plants across Europe. "All of this next 18 months. He is confident that will amount to very significant is possible provided the current relstively strong market conditions pre-

> Some investors may complain they have heard euch tough talking before. But the appointment of an outsider with a strong track record means the chances look much better

> > **Haig Simonian**

#### Companies

#### Suppliers together at new Welsh park

Vehicle manufacturers are likely to welcome innovative scheme, writes John Griffiths

leading automotive components companies and their smaller suppliers is taking shape at Resolven, near Neath in South Wales.

The 10-acre park, a venture linking TRW, the US field, Bedfordshire. automotive multinational with \$10bn annual turnover. the Welsh Development Agency and the local authority, represents the first such venture for TRW.

Supplier parks are becom-ing increasingly common at vehicle manufacturing plants, where the big components groups have begun supplying their systems directly to the assembly lines. For such a park to be created further down the supplier chain, however, is an innovation - but one which vehicle makers are likely to encourage as helping further to reduce the industry's manufacturing

Ground-breaking for the first of what is expected to be eight or nine suppliers setting up on the South Wales park is getting under way, with several expected to be in place over the coming months

#### Nissan neatty in the picture

Nissan's UK manufacturing and research operations are setting up their own videoconferencing bureau to production of the engine to capitalise on explosive be economic at 50,000-plus growth in the company's use of such facilities as a substitute for extensive travel and face-to-face meetings.

Nissan travel costs have fallen sharply as a result of executives and engineers

become an integral part of the way we do business," says Mr Jim Ord, facilities and services manager at Nis-san's European design and development centre at Cran-

"It is enabling us to make quicker - and better - quality decisions. There is no need to travel for four bours for a one-bour meeting, and up to a dozen people at each location can be involved at any one time. We're also using the facilities more and more to talk to suppliers."

#### Perkins on prowl for diesel deals

Perkins Technology, the engineering consultancy arm of diesel engine maker VarityPerkins, is to start intensifying its hunt for a consortium of car makers interested in extending their ranges of luxury and executive cars into the advanced direct-injection diesel sector.

Perkins is breaking new ground in developing the alx-cylinder, 3-litre, high-speed direct injection 3-lltre. (HSDI) diesel. It has been developed in the belief that, whereas no single carmaker could afford to invest in an engine likely to boost sales at most by 10,000 units a year, five or six car makers collectively could provide enough demand for

The HSDI unit, with 170 brake horsepower, is exceptionally powerful for a ply chain is the limited intediesel but is claimed to combine this with much

greater fuel economy than

holding nearly 1,500 such either a conventional

One of the world's first conferences last year. indirect-injection diesel or a "supplier parks" involving "Videoconferences have petrol engine.

#### Quality gaps to be researched

three-year research programme aimed at increasing sharply the world competitiveness of the UK automotive components industry is being launched by a consortium of companies under the direction of Cardiff Business School's Lean Enterprise Research Centre.

The programme builds on research into the competitiveness of both the UK and continental European motor components industries already undertaken by the centre's Prof Peter Hines. Prof Dan Jones and Mr Nick Rich It is backed by British Steel's strip products subsidiary and Innovative Manufacturing Industry (Land Transport).

The past research has exposed very large produc-tivity and quality gaps between the UK and Japanese components industries. However, the approach

until now has been on finding "catch-up" solutions rather than seeking out new avenues to gain competitive advantage. The "Leap' (Lean Processing) programme will explore ways of more closely integrating raw material suppliers and all other elements in the components supply chain.

"In spite of the excellent work done by world class car assemblers with their direct suppliers, a significant weakness of the automotive supgration of key raw material manufacturers with the component makers and assem-

#### Daewoo UK retailing is added to Farrell's portfolio

Mr Patrick Farrell will act as both sales and marketing director of South Korean car maker Daewoo's experiment with wholly-owned car distribution and retailing in the UK. The former Rover Group director has taken on the tasks of managing sales and the development of Daewoo's unique retailing network - a possible bineprint for other countries in Europe and elsewhere as well as retaining overall responsibility for marketing

The changes follow the abrupt resignation of Mr David Gerrans as head of marketing earlier this year.

**FT Automotive** 

The Automotive Supply Chain

New strategies for a new world order

Expert analysis of the pressures tacing the industry and their

who's in the top 25 global suppliers, get a clear picture of the

mass of mergers and acquisitions, understand the purchasing policies of the manufacturers and the prospect of

Provides sixty detailed profiles of the leading global suppliers, reviewing their activities, failures and successes a must for any benchmarking activities.

Find out how new technology will transform the automotive

Comprehensively examines the market size, supply structure

A blueprint for success in the global automotive industry

Practical advice on implementing new product development

practices that incorporate the latest organisational methods and communication technologies. Includes exclusive case

Find out how top executives from 18 companies, including

BMW. Renault, Magneti Marelli, Valeo and Alfied Signal,

The Future of Urban Road Transport

Detailed analysis of the urban concerns and how the

government, through legislation and the automotive industry, via alternative fuels, are aiming to improve the situation.

**Congested Roads, Crowded Markets** Profitable solutions for the automotive sector

Revolutionising New Product

and leading players for each major replacement part, including tyres, engine parts, exhausts, chases and electrical parts.

Industry over the next decade and who is best placed to

Impact on the supply chain into the 21st Century. Find out

automotive industry

super-suppliers, and many more crucial issues.

**Automotive Components Suppliers** 

Winning in a global market

**Automotive Components** 

The Car Aftermarket in Europe

**Development** 

studies on Delphi, Rover and Lotus.

Policies, initiatives and solutions

Vauxhall, Ford and BMW.

**Automotive Industry** 

The Future of the European

Strategic perspectives from leading players

have tackled change management strategie

Technological changes to 2010

profit from the developments.

New threats, new opportunities

Essential reading for the global

"It's a challenging role," says Mr Farrell. "We have 165 outlets but network."Daewoo has sold more than 40,000 units in the UK since the cars went on sale two years ago.

The Korean car maker, which has ambitions to become one of the world's top 10 producers within a decade, is effectively using the UK as a "laboratory" for the new sales system. It operates through conventional franchised dealer outlets in other European countries.

M AC Car Group, the UK-based sports car maker rescued from

receivership by Mr Alan Lubinsky'e Pride Automotive Group, is changing its management structure in order to introduce what the company describes as "a more disciplined" approach to design and

production engineering. Mr Jan-Brik Jansson, 53, formerly technical director of the MGA engineering consultancy, is taking over as general manager charged with exerting tighter controls over the development and manufacturing processes of the company's new up-market Ace model as it moves towards its launch at the London motor show in October.

"In recent years, the enthusiasm of the team here has not been matched by a properly disciplined approach to the engineering control ential for any manufacturer seeking a future in this industry," says Mr Lubinsky.

Before joining MGA, Mr Jansson had spent 17 years in various engineering and managerial roles with Volvo.

AC, best known for the Cobra, is planning to re-establish a European sales network for the marque.

John Griffiths

#### New and updated

With every segment of the car market becoming more competitive as manufacturers look to new niches and reduce product development times, even the furloughs between big international motor shows

are proving rich in product news, writes Haig Simonian. Mercedes-Benz, which is in the thick of an ambitious plan to raise sales to 1m units by 2000 from 645,000

last year, took the wraps off. Its US-huilt M Class sports utility vehicle last month. Made at a new \$300m plant in Tuscaloosa, the M Class, which cost \$700m to develop,

will take Mercedes Benz firmly into the booming sports utility market. At about \$35,000 for tha base 3.2 litre model, few observers doubt it will be able find enough huyers to

soak up the 70,000 units a year due to emerge from Tuscaloosa once production reaches full swing in 1998. About half the vehicles are earmarked for North America, with western Europe accounting for most of the rest. An even less familiar

niche for Europe's biggest luxury car brand is minicars. However. Mercedes-Benz and SMH, its Swiss watch making partner in the Micro Compact Car joint venture, have also unveiled their revolutionary new Smart two-seater.

The Smart, which boasts a variety of innovations including a new 660cc petrol Perhaps the

last word in

It's not so much a case of

it with Toyota's raintaturised Model AA.

writes Haig Simonian The micro-vehicle. developed by Japan's Dense

research laboratories, is

less than Janua long, 1.7mm wide and 1.7mm high Not

much more than a grain of

The rationale for the car-

smallest motorised vehicle

rice, in fact.

blink and you've missed it as securit just to see

minis





engine, to be followed by nesel and hybrid variants. will cost from DM16,000 when sales start in Europe

next spring.

Renault, which has made a name for itself creating niches with innovative products like the Espace and the Mégane Scénic, let alone exploiting them, has come up with another surprise. Intended to be the

spiritual successor of the old

R4, the new Kangoo is designed to combine the versatility of a traditional family estate car with the practicality of a light commercial vehicle. Its chief adversary, Citroën's Berlingo, was earlier in the field, but lacks the Rangoo'e advantage of a sliding rear . door to improve accessibility. The new

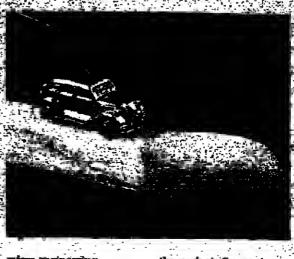
vehicle will go on sale before the end of the year.

on niche products, but it cas spot a trend when it sees one. The latest generation put the legendary Corolla lower-medium-sized range sports unusual new elliptical. headlights in a nod to the pioneering work of Mercedes-Benz on the E Class. Described as "a distinctive face in the crowd" by the company, Toyota has tried to make the new Corolla stand out in the biggest and most competitive segment of the continental European car market

The company hopes the new product, which has been designed specifically for Europe for the first time, will tempt 160,000 buyers next year, compared with. 118,000 in 1996. Plans to huld the five-door Liftback version at its UK plant from late next year and the three-door hatchback from 1999 should give it a healthy step up .

only is interpolatinch is nonen thate is statistical wide.

The original is a linear The original and which the product was a product of the production on a lost chercals, based on a lost chercals, based on a lost chevrolet, went into production in these price of \$3.350. It was an about 1960 at the model, by gate a one of lander, part and in the production of the p using a special meiting process and the 30 micron-fibiek body shaped, with a coat. of gold plating at the end



mirro engineering - claimed to be the world's technology, Driven by an electric - is to show the potential of motor just 0.7mm in size,

the engine's five parts are wrapped in 1,000 copper wire which is

#### A definitive analysis of the only options available to vehicle manufacturers to avoid the disastrous realities of gridlock, including intelligent transport systems, smaller vehicles and innovative concepts such as car sharing and pooling. Vehicle and Fuel Challenges Beyond 2005 Market impacts of the EU's Auto Oil programme This essential guide expertly analyses the impact of the proposed emissions legislation on the automotive and fuels sectors and the technologies that are being developed to meet the stringent regulations. Marketing Strategies in the European **Car Industry** Forging efficient partnerships Thoroughly evaluates the impact of the marketing strategies of the vehicle manufacturers on their relationship with the dealer, with exclusive case studies from Daewoo, Rover.



FINANCIAL TIMES Automotive

Other titles include: **Automotive Electronics in Europe** 

Success in a changing market

The Future of Automotive Materials A guide for suppliers and manufacturers

FT Automotive Newsletters **Automotive Components Analyst** Monthly analysis of the trands and factors affecting the global automotive components industry including margers and acquisitions, technological developments, country

issues such as security and safety.

**Automotive Environment Analyst** A unique monthly newsletter providing information and analysis of the environmental issues affecting the global automotive industry - from alternative fuels, electric vehicles and emissions to recycling, material trends and policy developments. Special reports on key concerns are also included such as how tyre companies are responding to the

reports and company profiles, plus special supplements on

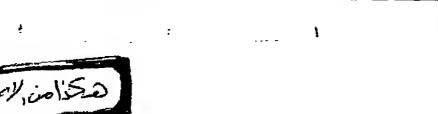
Priced between £300 - £500 these publications are invaluable strategic resources for inclustry decision makers.

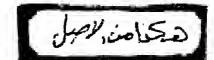
Visit http://www.FTAUTO.com for a full contents list and executive summary of every report and to download a free

For more information on all our publications, simply complete the form below and return to: Adrian Gilbert, FT Automotive, Maple House 149 Tottenham Court Road, London W1P 9LL Fax +44 (0) 171 896 2275.

☐ Please sand me the new FT Automotive

Stringer as Carstofina	
Please send me a FREE issue of	the newsletter:
☐ Automotive Components Analyst	
Automotive Environment Analy	et :
Name:	Title;
Job title:	
Company:	· ·
Address:	
	`
Post/Zipcode:	<u> </u>
Country:	
Tel:	
Fax:	- <b>FT</b>
Data Protection Act: The interpretation yes provide will be hald by all and used to lease you informed of FT and Protection products and may be used by Other Induction Quality againgmotes.	
Parties Perference   M. Caranton at Phys. Learn.	FINANCIAL TIMES





#### Focus: The components industry

### Globalisation forces big push

Modular construction is leading to closer links in the automotive sector, writes Haig Simonian

ately large share of revenues motive components compa-

7. 7. - . - . .

- Branch St. 18

梅 表 4 ....

to Alberta

\*\*\*

20 F. 7.

30 M

48.0 E

المراجع المتحارية

Cost of the

46

100

Charles Co.

Few sectors have been through such convulsions in so short a time in reaction to the twin forces of rationalisation and restructuring.

Rationalisation has been the more pervasive of the two influences at work: The globalisation of the vehicle industry has forced suppliers to push into new markets. Vehicle makers moves into newly-industrialising regions, auch as South America and Asia, has obliged auppliers to keep pace. By contrast, earlier moves by car makers into "new" markets, such as by US companies into Europe more than 50 years ago, did not require the same effort as the region already had a developed industrial infra-

structure. Globalisation has spurred rationalisation. Not every parts maker wants, or is able, to internationalise. That reluctance has created opportunities for more ambitious or better-capitalised companies and polarised the industry between stronger and technological burdens and weaker players.

prices has hastened consolidation. The consistent demands by vehicle makers for ever-lower prices has weeded out smaller or less efficient manufacturers from bigger rivals offering better economies of scale.

 Rationalisation has been ers' increasing tendency to share their business among a smaller supply base. Simplifying the supply base is

When the world's Invest- orders. The concentration on ment bankers do their year- a smaller number of sources and tallies, a disproportion- has been intensified by the trend among vehicle makers will have derived from auto- to base future models on a

smaller number of global "platforms" (basic engineering structures).

 The trend towards more complex systems and modules, rather than individual parts. Prassure for cost savings among vehicle makers has led them to simplify vehicle assembly techniques. One of the most striking consequences has been the requirement for modules and sub-assemblies, such as entire cockpits or front-ends, which are put together by one supplier from the subcomponents of a myriad oth-

Virtually all the new cars now being launched or on the drawing board use modular components in some form or another.

The trend towards "modularisation" has created a new breed of "system inte grator" on the supply sida. Such companies no longer produce just individual parts, but build entire subassemblies for their car and truck making customers. But modular construction has increased the financial on suppliers, accelerating • Relentless pressure on the consolidation of the industry.

Building modules requires bigger co-ordinating role for a components maker, which must also play a bigger part in product development than if it just supplied a few simple parts.

It can often also require reinforced by vehicle mak- closer physical proximity to a customer's plant. Car factories are now being designed to have an adjacent supplier park to ensure justdesigned to cut costs as in-time delivery and reduce vehicle makers demand big- logistics costs. Such parks ger discounts for their larger are also being built adjacent

to some older plants, where important components, the

cial risk-sharing at a new breed of car and truck plants.

At Volkswagen's truck and bus factory at Resende. Brazil, most of the work and financial risk - has been taken on by a small group of key suppliers, with VW limiting its responsibilities to final assembly and quality

Comprehensive figures for the value of mergers and acquisitions in the supply sector are hard to come by. in many ceses, especially those involving family companies, prices are not revealed. But based on the biggest publicised deals

Textron Automotive (US)

Exide (US)

Magna

Magna (Conada

number of significant supplilast independent seat maker. Increasingly, any vehicle maker which wants to buy seats must address either Lear, Johnson Controls or

Magna International.

The Keiper transaction also highlighted the fact that US components groups have been leading the acquisitions drive in the 1990s. The reason is that the US companies tended to be focused on supplying the big domestic auto industry. While European companies also had a regional focus, their coverage has often been more global, reflecting the more

global presence of big Euro-

Main components deals of 1997 Value of deal Target \$305m Kautex (Ger) Not disclose CEAG (Ger) C\$40m Georg Nacher (Ger) \$52m Tricom (UK)

Not dis Tomkins (UK) \$606m

Haves Wheels \*\* (US) \* buying 51% "buying 78,6%

alone, the value of takeovers and mergers comfortably exceeded \$15bn last year.

This year has also started off strongly. Tomkins, the UK industrial group which last year spent \$1,38bn to buy Gates Rubber of the US. has consolidated its position with the \$606m acquisition of Stant, a US rubber group best known for its Trico windshield wiper blades. Among the other significant deals of 1997 has been the purchase last month by Lear, the fast-expanding seating and interiors group, of Keiper Car Seating, the

German seat maker. The Lear deal highlighted two key trends in the industry. It showed that, for many toto separate units.

pean carmakers and truckmakers such as VW or Mer-

Societa Industrie

Stampagg (Italy)

Stent (US)

Mannesmann

Kronorinz (Ger)

Lemmerz (Ger)

Kelper Car Seating (Ger)

cedes-Benz. The belated internationalisation by US components companies reflects both ths trend among their customers to go global and the fact that many of the new "world" car projects involve smaller. European-originated products. Both Ford and GM bave based their global small-car development operations in Europe.

Restructuring bas been the industry's other theme. The onus has come predominantly from the vehicle makers. GM and, to a lesser extent, Ford, have hived off their components operations

The aim has been to improve efficiency and prof-Somatimes, modularisa- ers has fallen to just two or itability by making them tion is even linked to finan- three mammoth manufactur- more transparent and by ers: Keiper was Germany's underlining the fact that snch subsidiarias cannot expect to win in-house busi-

ness automatically in future. The process has gone furthest at Delphi, GM's components arm. In recent months, GM has decided Dalphi should take control of Delco Electronics, the auto electronics division of Hughes Electronics, another GM subsidiary. Incorporating Delco. which is about the same size as one of Delphi's six divi-sions, will push annual sales to about \$32bn - increasing its lead as by far the world's

biggest car parts group.

GM has also indicated it may float up to 20 per cent of Delphi in a further step to increase transparency and make the parts side more competitive. The timing and details remain unclear, However, the spin-off is almost certain if for no other reason than the fact it could raise up to \$3bn for GM, according to some analysts.

Ford has recently started moving in the same direction. Late last year, it decided to put its components activities into a separate subsidiary. Although smaller than Delphi, Ford's components business is one of the largest in the industry. Flotation is not on the horizon, but Ford's manage ment appears to be thinking along the same lines as GM's in making the unit more transparent and - it hopes -

more competitive. A number of big independent parts companies have also taken the restructuring age on board. LucasVarity, the Anglo-American group formed by a merger last year, is now implementing its match. More recently, Rockwell, the big US industrial group, has announced plans to spin off its automotive operations, which have sales of more than \$3bn, into a separate company by the end of September. More are bound to follow.

THE MAKING OF A CAR vehicle systems Bonnet (hood)

#### Rockwell on course

The automotive operations of US industrial group Rockwell International, currently worth some \$3.1bn a year, are on course to be spun off under a new name by the end of September. The new company will rank as one of the world's top 12 automotive components suppliers.

The two main automotive operating divisions - light and heavy vehicle systems, which in the past have tended to operate separately - are already well into a merger process under Mr Larry Yost, who has been named president and chief executive of the new antomotive company.

Mr Yost joined Rockwell in 1971 as a production and inventory control manager. He has been president of the beavy Vehicles systems division since 1994. "Establishing a separate Fortune 400 company for these businesses is an excellent way to improve customer focus and expand leadership positions in our target markets," be says.

The two divisions employ 16,000 people around the world. The heavy vehicles division is a leading supplier of drivetrain components for heavy trucks, buses and off-highway vehicles. The larger of the two divisions, it accounted for around \$1.8bn of last year's sales.

supplier of door assemblies, suspension sub-systems, sunroof assemblies, electronic components and wheels from a matrix of plants scattered through almost every significant vehicle producing region. including India and China. The group's brand names including Golde (sunroofs),

The light vehicles division is a leading

Rockwell-Wabco (anti-lock truck brakes). The restructuring leaves most of the top management team in place, including Mr Robert Calder, who will continue to bead up the light vehicle operations. Mr Calder has been president of the light vehicle systems

Fumigalli (wheels), ROR (trailer axles) and

division only since 1994, but in various cepacities has played a leading role in directing its strategic growth into a fully global player for considerably longer. Between them the two divisions have nearly 50 manufacturing facilities and affiliated companies in 20 countries, with a customer base of around 800.

Mr Calder, Canadian born and a former managing director of International Harvester in the UK, also played a key role in the development of Rockwell's European operations and was responsible for setting up the group's engineering and design centres, used as a common, interlinked resource by the group's manufacturing plants worldwide. "We are now almost everywhere that a customer needs us to be." he maintains.

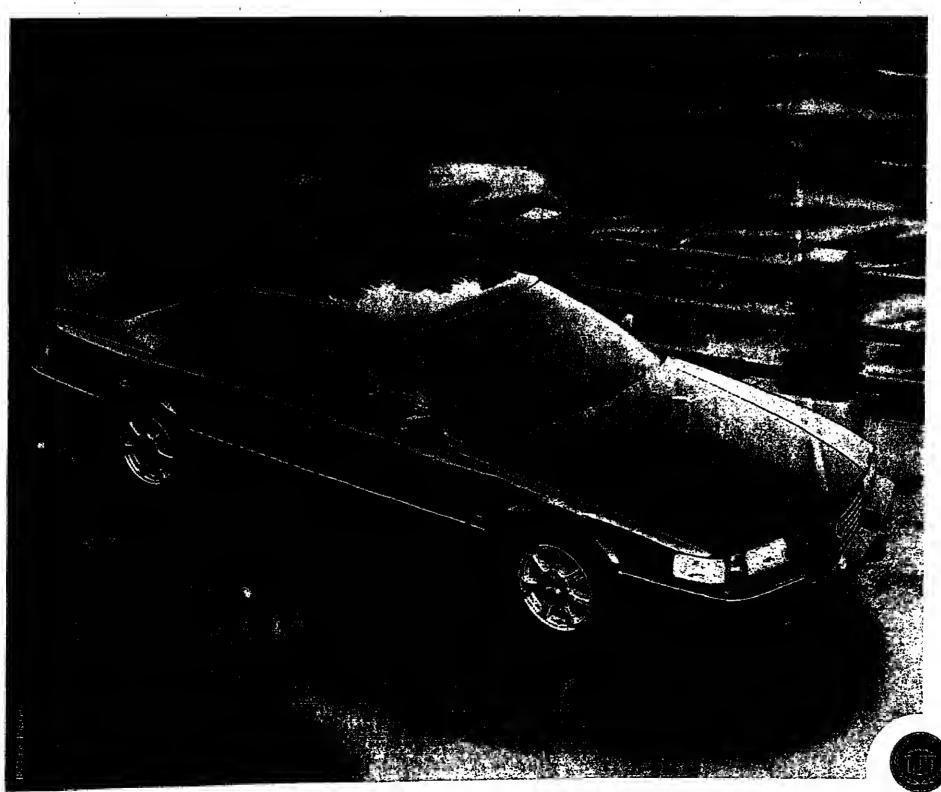
Rockwell has tended to shun licensing agreements in favour of creating wholly or majority-owned subsidiaries so that quality, design and production can be kept firmly under its own control. It claims to be deriving significant competitive advantage from the policy. This is particularly the case as the big vehicle producers such as Ford and Volkswagen are moving towards what Mr Calder describes as "universal" car body platforms, the appearance and drivetrains of which can be tailored to meet the different needs of most markets at considerable economies of scale.

In empathy with this process, a single management team has been given global responsibility for each major product line, including all plants in all countries which produce and supply it.

Independence, and listing as a separate company on the New York Stock Exchange, is coming at a time of projected strong

John Griffiths

#### Cadillac Seville. What Wall Street calls a Solid Investment.



Not only Wall Street calls Cadillac Seville a Solid Value Play you will too! Cadillac comes totally complete. Luxury the American way - built in. No annoying options or expensive extras. No ifs, ands or buts.

How.complete is complete? Well, what other luxury car gives you ABS, Dual Airbags up front. Air-Conditioning (that works!). front and rear? An enhanced computer that recalls programmed seat positions for two drivers plus their preferred rearview mirror settings and even the favourite radio station? Automatic headlights and windscreen wiper starts?

Not to mention room for five to relax in Nuance leather conifort surrounded by Zebrano wood trim. And more, so much more.

Wall Street knows a deal when it sees one. So will you. Try Cadillac Seville today. There's just nothing more to add - is there?



#### Focus: The components industry

### Security controls are tightened

Investigations into corruption are continuing in Europe, reports Haig Simonian

paint shops.
"The risk is always

are non-repetitive," he says.

"One-off projects do not offer

the chance to make

comparisons, especially on a regular basis. And there's no

one opening up the files all the time to see what

By contrast, policing

regular orders for important

components, such as tyres or

glass, is much easier. Any

discrepancies in pricing are likely to be detected quickly,

About the only repeat

orders where prices may have been inflated are for

the hugely expensive metal

Dies need to be replaced regularly, and they're very

crucial no one would risk

saying a company should

buy fewer or risk an untried

source." says the chief

executive of one big car

risks, how can carmakers protect themselves?. Mr

culture. A company must

any form of corruption is

group operates a no-quibble

policy: in any proven case of

corruption, the employee

concerned is dismissed. And,

rather than husbing the

matter np, the police are

• Careful recruitment.

particularly important in

purchasing. Peugeot-Citroën even subjects candidates to

people around excessively is inefficient. But regular rotation is one way to

prevent key purchasing

managers getting too close

personal relations can get a bit too close, even if there's

underhand," says Mr Calvet.

he responsible for a hig

function should be handled

serions doubt, they are

dismissed," says Mr Calvet. Such tactics have helped

Mr Bob Eaton, chairman

of Chrysler, believes the

steady rationalisation of

Structural changes are

has hroken up cosy

by a team.

informed.

Sensitive

handwriting tests. • Frequent rotation. Moving

Calvet suggests five rules

With so many potential

happened last time."

he thinks.

After a flurry earlier this year, attention has drifted away from the allegations of widespread corruption in the components industry as car makers and suppliers have reviewed their procedures. However, the fact that corruption, especially in Europe, is no longer hitting the headlines does not mean it has gone away.

At Volkswagen, Europe's biggest car maker, which was at the heart of this year's allegations, investigations have spread to 12 individuals.

Details of the case, triggered by allegations of kickbacks on the new paint shop at VW's Skoda subsidiary, remain sketchy, But the investigations in Germany and Switzerland are continuing.

The VW affair has prompted many automotive groups to revise their greatest with things which control procedures. "If you have someone who's really out to steal from a company, it's very difficult to control," says Mr Jac Nasser, head of Ford's worldwide automotive operations

But Ford is just one of the companies which have taken a fresb look at their procedures. "We have a very intense internal control system. But clearly, when you read about things happening, you tend to make sure your internal controls are working," he

The first line of defence against corruption is a clear dies used in press shops. code of conduct for staff in sensitive positions, such as purchasing. It is difficult to expensive. Yet they're so find a leading car maker or supplier which does not have some document or letter for senior staff to sign to prove they understand and comply with the rules.

Mr Jacques Calvet. chairman of Pengeot-Citroën, says the company s introduced a standard letter in the past year to be A no-nonsense corporate signed by all managers. This sets out policy on conflicts of make clear the sanction for interest and should an executive leave for a

competitor. Mr David Herman,
Last year, General Motors chairman of Opel, GM's
shocked its staff and German subsidiary, says the suppliers with a draconian new code of ethics. In an attempt to clarify policy, it identified how staff should behave in situations where they might find themselves compromised.

Employees were forbidden from accepting hospitality of all hut the most mundane nature, and from accepting gifts. Even an Invitation from a supplier to play golf was considered potentially compromising. "The aim is to avold any situations in which an employee may feel heholden," explains an

But such clear-cut policies to suppliers. "Otherwise, bave not always been typical

in Italy, for example, "it no suggestion of anything was an open secret for years underhand, says Mr Cal that senior staff could make • A horizontal managem money by skimming structure. No eingle contracts with suppliers", purchasing manager should says a leading observer. Such practices were contract. Rather, the sometimes almost encouraged by employers to keep salaries low in a tacit • Rigorous supervision. "A understanding that staff case is investigated each could supplement their time we have any doubts.

incomes illicitly, he claims. even after receiving an Some aenior executives anonymous letter. If there's believe a similar, if less any uncertainty in our mind. extreme, situation once we substitute the person prevailed in Germany, concerned, If there is any According to the former head of European operations of a leading multinational car maker. Germany's to clean up the business in relatively high personal the past decade. But the taxes fostered a willingness chances of corruption

among employers to turn a occuring may be diminishing hlind eye if staff occasionally as much through structural received non-financial change as companies benefits, such as free policies. building work on private property by contractors used by the company.

Ethics apart, the sheer size components makers will of the German motor and inevitably improve control components sectors suggests and surveillance procedures. corruption is likely to be As suppliers grow larger, more widespread than policing will become more elsewhere in Europe. But rigorous and professional, he matters may have been argues. exacerbated by the very close relations between car also under way among makers and core auppliers. car makers. The need to "It was almost like a cartel," cut costs has prompted says a former executive with a search for new, cheaper close knowledge of sources of parts. That Germany.

general relationships and opened the Wbile such comments are hard to suppliers to greater eenior competition. Together, substantiate. executives are much more rationalisation specific ahout how competition are probably



corruption works in practice. Mr Tom Stallkamp, head of purchasing at Chrysler, notes the risk of kickbacks is policemen greatest on hig, one-off contracts for infrastructure projects, such as factories or

proving as effective in curtailing corruption as any number of company

### Patient is responding to treatment

General Motors said in January that it was considering a publicoffering of up to 20 per cent of Delphi, the name given two years ago to the broad array of onents businesses which have made GM the most vertically integrated of all the big auto.

That in itself is a sign of how far the Delphi businesses have come since the early 1990s. And if the unit meets its targets over the next five years, it will have gone through a second big transformation, making it a far different - and far more international - company

nternational company.
The US's largest auto maker
revealed for the first time earlier this year just how steep Delphi's s were at the start of the decade: more than \$450m in 1991, followed by more than \$5bn greatly exaggerated by accounting emis – the following year.

By those standards; the turnaround of the mid-1990s has been significant. Its after-tax profit margin had climbed to 3.5 per cent by 1995, putting it well on the way to the 5 per cent it had targetted by

2002 (strikes last year, though, pushed that figure down again; to 2.8 per cent).

The unit's manager installed in 1992, can lay claim to having largely completed phase one of the tasks: shedding or fixing most of Delphi's chronically underperforming plants (there are now only around eight on the "sick list", compared to 59 five years

Sociling out Delphi busing involved closing or consolidating 33 plants and shedding \$4.5kp of business, says Mr Bill Muir, executive in charge of opposit The next five years could see adds, though Delphi refuses to identify the business lines it plan

leave. Much of the work over that time ue to be on making Departs US plants fally competitive Also, GM wants the unit to establish enough of a business for customers outside the

group to make it a truly free standing company # rticularly by expanding out

the TIS.

workforce paid at a similar level to GM's assembly line workers. Delphi's US fabour costs are well above its largety non-unionised competitors. Attempts to change that have made Delphi the focus of much of the labour innest that has bedevilled CPf.

bedavilled GM:
The labour morest, though,
affects many customers other than
GM; and could hamper Delphit's
attempts totergand its relations
with other auto makers. The latest
an Res for instance, erupted at,
Delphi's Packard Ricciric Alvision,
with the property of the latest of the Debbit's Packard Electric division, which univers electrical wiring for most big car makers beside GM.
So har at least, Debbit has remained on track to meet the fargets high flown in 1992 for the expansion of its non-GM bindness hast year, his amounted to 36 per controlly one that the year before GM has been a tracked in a been a target of 50 per cent of sales coming from outside the group by the end of 2002.

Another factor likely, to united the prome in the group's prospects with the Debbit's merger, planned for late fifth year, with Delco

for late this year, with Delco

Electronics, the auto electronics arm of Hughes, a GM subsidiary. In the short term, Delco will sit álongside other Delphi divisions as a separate business, says Mr Muir. But electronics are becoming an increasingly important component in many parts of the business, and the group is likely eventually to be fully integrated with other Delphi

This combination will wait some months longer for regulatory, tax and shareholder approval-meaning that Delphi will not make its stock market appearance before next year at the earliest. But, according to Mr Muir, it will bring an expertise that will set the group apart from its competitors.

Most of the traditional suppliers are really struggling with electronics," says Mr Dave Cole, head of the Department for the Study of Transportation at the University of Michigan. By absorbing Delco, Delphi wili "become a very powerful force - the 500lb gorilla of the industry", be

Richard Waters

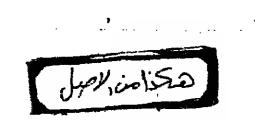
## New Automo;

<sup>्र</sup>े स**र्श** 

1.000.000.000

ver US\$3 billion in sales, 16,000 employees world-wide, and 45 manufactui facilities in 20 countries. Not bad for a new company that's on the starting gr And it's all because Rockwell has announced that its automotive components syst business will be a separate public company. By focusing exclusively on the automotive; sector, this new company will concentrate its resources where it matters. Improv flexibility. Bringing innovations to market faster. Serving customers better.

http://www.rockwell.com



#### Focus: The components industry

to treatmen

1541

Sec. 15.

۲.

#### Model for an ideal marriage

Pole position among the components business has gone to LucasVarity, the Anglo-American supplier. A rocked by news of the \$4.8bn merger of Lucas, the British braking, diesels and electronics group, and Varity. almost its US mirror image.

Twelve months down the road, the LucasVarity deal is still shaking tha sector as components companies examine the marriage as a potential model.

LucasVarity had the advantage over many potential mergers in that its two partners were an almost perfect match, says Mr Tony Gilroy, the group's chief operating officer. Lucas was strong in foundation brakes, deal conspecially among car makers nally. in Europe. By contrast, Kelsy-Hayes, Varity'a braking aubsidiary, specialised in as good as anything we electronic braking for heavenuld get externally." he aubsidiary, specialised in ier vehicles, particularly in

companies restructuring in the united group's seven LucaaVarity's advisory business teams had to accept questioning even basic operating divisions. But dieeel engines also dovetailed with the combination of Peryear ago, its rivals were kins, the Lucas subsidiary, Varity's diesel and operations. The other main automotive manufacturing activities include diesel systems and electronic man-

agement systems. Surprisingly, the practicalities of marrying the two companies were carried out without the intervention of outside consultants. Mr Gil-roy says Lucas Varity approached other big groups which had recently merged. such as GlavoWelcome and SmithKline Beecham. In the end, it concluded that a master plan implementing the deal could be devised inter-

"We decided the process we developed ourselves was says. However, he admits Mr

role in the background.

Mr Gilroy underlines four told them," he says. broad priorities that were decisive in helping to put the merger into practice within six months of being announced.

Speed tops the list. Lucas-Varity decided to create 18 transitional teams, co-ordinated by Mr Gilroy, to examine what the merger required in practical terms and how these recommendations should be implemented. Acting quickly allowed the company to meet its schedule of completing the studies, which began in July 1996, by December that year.

"Ownership" is Mr Gilroy's second theme. While seven of the teams represented LucasVarity's main business units, six more were functionally-based and the remaining three were Peter Drucker, the manage- occupied with determining remains a continuing sense

board, played a benevolent what the functional teams and the best practice teams

> Such cross-cutting responsibilities reduced the risk that representatives from the business units would obstruct change to preserve their fieldoms.

Starting from a clean slate was the third lesson, he says. "There was a willingness to consider anything, with no holds barred." The lack of pre-conceptions was emphasised by the relative youth of team members, whose average age was just 36. That was old enough to have experience of the business without becoming dyed in the wool, says Mr Gilroy.

A commitment to knizer the Jepanese concept of continnous improvement - was the final message of the implementation process. Although the merger is now being implemented, there

Braking forms the core of ment gurn who sits on best practice. "The seven that Lucas Varity must keep assumptions and operating practices, he says.

With the homework done and implementation well under way, attention has turned to expanding the merged business. The first atage involved identifying activities deemed to be noncore, prior to divestment. Of the 13, one has already been sold, while two others are undergoing due diligence. We are confident we will dispose of all of them by the end of the year," says Mr Gilroy.

Apart from LucasVarity's aftermarket and aerospa arms, the remaining five divisions are all among the world leaders. The group ranks second in light vehicle brakes, behind Bosch but ahead of FTT, and fourth in braking systems for heavy vehicles. The diesel systems business is also second to Bosch. Ranking the diesel engines operation is compli-



Tony Gilroy: Four broad priorities for merger plan

cated by the fact that most mented and that LucasVarvehicle manufacturers make lty is among the leaders in their own engines. Although certain areas. smaller than Cummins, the other big independent diesel engine marker. VarityPer-

The emphasis now is on squeezing out the cost determination to grow in savings promised from Asia he says. "The fact that rationalisation and on kins is more profitable, says growth. With LucasVarity Mr Gilroy. In electronic management systems, the group already among the front-runonly ranks "about seventh ners in most of its automooverall". However, be notes tive businesses, Mr Gilroy implies that the most likely the sector is very frag-

deals will be bolt-on acquisitions to fill out its coverage. Significantly, two of the three purchases made after the merger were in the automotive aftermarket, while the third was in aerospace areas where the group must

still build up its presence. He does not rule out further transactions, although he refuses to identify where as this might give a signal to our competitors". The broad aim will be to fill out remaining product gaps and reduce the group's vulnerability to economic cycles by broadening its geographical coverage, he says. "Cycles are less violent than in the past but we want to take advantage of upswings wher-

ever they are." Asia tope the agenda. LucasVarity already has six joint ventures in China, two in India and one in South Korea. The company has been "very public" about its we've got six joint ventures in China which are less than six years old is indicative of

**Haig Simonian** 

# omve Company.

2mQ,0Q0,000

4.000,000,000

5.000.000.000

MARIO SA

## overnai

ome things will not change though. We will still have the same experienced team. he same world leading technologies. And still with solid financial muscle. all combining to supply world class components and systems for original equipment nanufacturers of light, medium and heavy-duty trucks, off-highway vehicles, and assenger cars world-wide.

and with a flying start like ours, who knows how far we'll go next? Watch this space.

Rockwell Automotive

#### PROFILE Magne International Pain gives

way to pleasure Mr Frank Stronach's

shrewdest move in a long business career may have been his painful decision to April 1988 to step down as chief executive officer of Magna International, the Toronto-based automotive parts maker that he founded and still controls.

Magoa seemed to be going off the road in the late 1980s. It struggled under a heavy debt burden, acquisitions. at a time of weak demand in the North American car market

Mr Stronach was distracted by a variety of outside interests ranging from a disco, an ambitious magazine venture and a stable of racehorses, to an unsuccessful run for parliament in Canada's 1988 general election.

He bad trouble persuading outsiders to take seriously his unorthodox manag techniques, including a Corporate Constitution, a Magna Employee's Charter and a Fair Enterprise System, centred on generous profit-sharing

But since Mr Stronach stepped aside from day-to-day management and creditors restructured the company's debt, Magna has blossomed into one of North America's biggest and most successful components makers.

A spate of acquisitions. nainly in the UK and Germany, has also turned it into a significant supplier to Ruropean car makers, notably, Mercedes Benz, Volkswagen, BMW and Rover. Magna now employs

83,000 people at almost 140 factories and research centres. Its product range is sufficiently broad that it designed a car a few years ago almost entirely from Magna parts. According to one official, the car was not put into production because Magna didu't want to compete with its Recent UK acquisitions

include Caradon Rolinx, which makes plastic bumpers; Marley, an interior components supplier; and Tricom, which specialises in seats. A C\$1.2bn cash pile gives Magna the wherewithal to sustain the pace of expension. A thrust into Latin America, probably Brazil, has been mentioned.

Mr Graham Orr, executive vice-president, says: "We're really driven by the car companies who are going global in their demands for full-service suppliers. Wa want to replicate in Europe the core businesses that we have in North America."

Magna's earnings soured to C\$197.3m, or C\$2.58 a share (before gains from disposals) in the six

months to January 31 1997. from C\$139.5m, or C\$2.13, a vear earlier. Sales climbed 39 per cent to C\$3.63bn.

Mr Michael Lam, analyst at RBC Dominion Securities in Toronto. forecasts 18 per cent compounded earnings growth over the next three years, reaching C\$7.75 a share in the year to July 31 1999, excluding

Europe now contributes about a quarter of Magua's sales. Mr Stronach, 65, who emigrated to Canada in the mid-1950s, these days spends most of his time in Switzerland and his native Austria, helping direct the

The Strouach-inspired corporate culture that seemed quirky a decade ago is now credited with spurring Magna'a success The culture balances generous incentives and an

emphasis on teamwork, with a single-minded work ethic and an unrelenting squeeze on costs. According to the "constitution", 10 per cent of pre-tax profits must be allocated to

employees in the form of

cash and share purchase Senior managers' salaries are required to be pegged "below industry standards". A plant many as 800 workers typically earns only

C\$75,000 to C\$80,000. Cash and share bonus totalling as much as 5 per cent of a plant's profit, can multiply the base salary several times, although only a portion of the shares can be cashed in each year. The bonuses (for managers and workers alike) are in lieu of a

company pension plan. Copies of the employee's charter, translated into 10 languages, dot the corridors of Magna factories.

Magna says wages at each plant are well above the average for the surrounding area. It declines to disclose wage rates, but the charter promises "if your total compensation is found not to be competitive, then your wages will be adiusted".

Behind the generosity is a strong aversion to trade unions. Ms Maureen Kirincic, a Canadian Auto Workers (CAW) union organiser, says "there is no company that spends as much money and effort fighting unious as Magna" Ms Kirincic acknowledges that Magna workers are relatively well raid and generally contented. But she claims activists are quickly shunted to other jobs, or shown the door.

Bernard Simon

#### *Technology*

#### CGI is starting to make heads turn

John Griffiths reports on advances in the manufacture of materials for engine blocks

advancing from the industry's automotive sidelines as a strong, cheap. lightweight material for key engine components such as engine blocks and cylinder

With great caution, and with still much testing to be dooe, parts of the industry are showing signs of concluding that - thanks to new process technology -CGI may be emerging as an attractive material for vebicle makers in their relentless quest to save energy and vehicle weight.

A factor bolding back earlier advances has been the fact that the material is exceptionally difficult to

Now, bowever, Cifunsa, a Mexico-based snpplier of engine blocks and cylinder heads to North American vehicle producers, has installed a system in lts foundry to start production of components made from CGl on a commercial scale. Clfunsa, which supplies

After nearly 40 years, tonnes, and is preparing to "Family 1" small car to compacted graphite iron launch its own aggressive incorporate CGI to maximise (CGI) may be on the point of marketing campaign for CGL savings in weight. It is now

The Mexican move follows an agreement last year between the process creator SinterCast of Sweden, and the South Korean industrial conglomerate Hyundai, which is now testing CGI blocks produced at its Ulsan antomotive foundry using SinterCast's process

A five-year relationship tween SinterCast, General Motors Europe and its German subsidiary, Adam Onel, is moving to a new and potentially important phase after Opel's use of CGI engine blocks in lts European touring car motor racing programmes.

Compared with the standard grey iron block used in the standard Opel Calibra coupe, the CGI-based racing engine used for Opel's German touring car challenge developed nearly offered 40 per cent less internal wear, and weighed

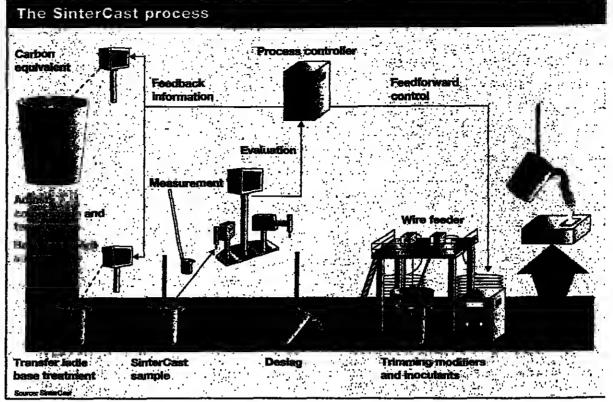
20 per cent less. GM, which made its first test castings using the SinterCast process at its

conducting machining trials with a view to making CGI castings an integral part of future volume engine

The aluminium industry. looking to vehicle makers as the source of significant incremental business in the form of both lightweight bodies and engine and other drivetrain components, as yet has no real cause for concern. But it may need to start paying attention.

CGI is still a lot heavier than aluminium - the same block mada of aluminium would be 37.5 per cent lighter than one made of cast iron, whereas a CGI block would be only 25 per cent lighter. But CGI is claimed to be considerably cheaper to produce, and when recycling is taken into account, to require only one-ninth the energy input of aluminium for a similar found a solution. function and life.

almost twice as strong as the cheaply in the foundry progrey iron which has been the cess. Samples of molten iron traditional material of most are collected by a sampling cylinder blocks. Its probe containing twin ther-



requires additives to grey iron in the foundry at such precise levels that the production of stable CGI on a large scale has not been

It is a problem SinterCast bas been addressing for many years and, according to its managing director, Mr Bartil Hagman, has finally

SinterCast's process it is CGI bas a vermicular claimed, can be installed ware, materials, flow-rate structure which makes it quickly and relatively changes - adds 9 to 11 per however, mo-couples. Data from the ing per block in the nine to the first commercial installa-

veved to a computer-controlled analysis and additivedispensing system determinlng very precisely the required volumes of additives. Each melt load can be precisely formulated before casting. The normal rate of foundry flow is barely affected by tha process,

ccording to SinterCast. The CGI process - hardcent to a casting's costs relative to grey iron. But this extra cost is calculated to be neutralised at a weight sav-

probe is systematically con- 12 kilogrammes range. Savings above 20kg per casting are calculated to reduce net cost of the finished unit by around 10 per cent, ignoring other benefits. All but the smallest angine block castings thus could be cost neutral or enjoy cost

> For SinterCast, with its technology centre in Katrineholm, Sweden, but Its beadquarters in Twickenham on the outskirts of London, the past year has marked the start of transition from a long develop-

tions. Subsidiaries have been set up in the US, the Nether-Ireland and Mexico.

Some sevan years ago, when the technology breakthrough seemed closa, tha company's market value SKr2bn, only to slide to less than SKr400m within a few years as the harsh realities of intensive testing dampened investor fervour.

Although the share price is again rising, the commercial risks remain high until large-scale production can be

The Encap tests, launched

this year with the declared

#### Extra help is at hand

M-Class sports ntility vehicle and BMW's 3-Series saloon ranges will be tha first vebicles to become available with a new ITT Antomotive-developed "antomatic stability system", starting towards the end of this

The system ntillses yaw. speed and traction sensors to determine where the vehicle is going, compared with where the driver appears to want it to go.

It helps control steering, handling, braking and acceleration to stabilise the car safely if the driver bas entered a bend too entensiasticelly or is otherwise on the point of losing control

The system is claimed to be "a quantum leap in anti-lock braking and traction control technology" by Mr Tom Chambers, ITT Antomotive vice-president in charge of braka and chassls systems for the \$8.7bn turnover group.

Both General Motors and Robert Bosch are among companies known to be developing similar systems bowever.

Mr Jim Glll, an lTT Antomotive spokesman, meanwhile rejects suggestions that the technology marks a step towards taking control of a vehicle away from the

The group, based at Auburn Hills, Michigan, has hand to take the technology a substantial step further, with its eventual integration into on-board satellite guidance systems.

ldentify the vehicle's location cootinually to within a few yards.

Under the system envisaged by ITT Automotive, the combined satellite/stability technology will "read" the road ahead, anticipate bends, calculate their severity and thus allow the vehicle to proceed through the bends at speeds likely to preclude the driver getting into trouble in the first place.

"It will be yet another useful tool for the driver. not something that threatens to take over." ITT Automotive insists.

With "intelligent" cruise control, lane-keeping and emergency braking systems also on the borizon, however, the trend of the technology appears to leave drivers with less and less to

ITT Antomotive is giving no indication of the price of the systems, which can be fitted only as original equipment. "That must be up to the car maker," says

currantly estimated at around Y8bn a day, user costs for the ITGS system of As with anti-lock braking systems, the technology will appear first at the luxury end of the market, but is expected to spread to mainstream volume cars as economies of scale are achieved.

The complexity of the technologies ITT to introduce driver training courses both in Europe and North America to teach its proper use.

John Griffiths

#### **Partners in safety**

advanced technologies devel- gramme, Prometheus, and oped in partnership by auto- now grouped within the test motive components group LucasVarlty and French electronics group Thom-son-CSF Radars and Contre-Mesures are undergoing test cycles of 600-plus miles per day at speeds up to 124 mph, writes John Griffiths. They if be or she is straying from are a prelude to commercial a lane; lane support, which

first developed in the Euro- brakes and steering to avoid pean motor industry's col- a crash.

Lease Plan.

Lease Plan provides a unique vehicle leasing and

Like many of our competiturs we only charge

We believe it's only fair that if the basis of the

original calculations change, such as maintenance.

depreciatinn, or residual value, we either absorb any

loss, or we refund customers any surplus.

precisely what we quote. But unlike other vehicle

leasing companies, we refund any savings we make.

fleet management service.

Cars with an array of laborative research procars as an "integrated driver

support" (IDS) system. Features include adaptive cruise control, which keeps the vehicle at a safe distance from the car in front; lane guard, which warns a driver production within the next can automatically guide the few years. can back to the correct lane; The cars incorporate sev- and collision avoldance,

A unique open approach

to vehicle leasing.

show the grouped technologies to car makers this year, well aware that they are in a race for orders with other big European groups pursuing commercialisation of similar technologies.

Early forms of the technologies were cumbersome. However, miniaturisation. which has allowed video and radar sensors to be packaged within a driving mirror, and much faster microproces-

#### Saab calls for real crash details

publishing real-life accident dsta, not just the results of mandatory crash tests, is being made by Swedish car company in developing maker Saab - half-owned by crash-worthiness than mere General Motors - as the compliance with EU and company celebrates its 50th other standardised crash test birthday, writes John

Griffiths. Mr Christer Nilsson, Saab ate introduction of the tech- real accidents, including the used to encourage people to series of crash tests, for assessment of personal say one car is safer than medium-sized cars.

Last year alone, our customers benefited by more

than £4 million. And you'll know precisely what your

fleet costs are because all nur calculations are visible

To find out more, about bow Lease Plan can help you

find your way around the vehicle leasing jungle, simply

telephone or complete the information request below.

0345 65 60 65

Lease Plan 🔲

🖀 A fair deal in an unfair world

and open to inspection.

Lucas and Thomson are to An appeal for national injuries and interviews with governments to consider victims, as well as vehicle

The database, he insists, is proving more useful to the procedures.

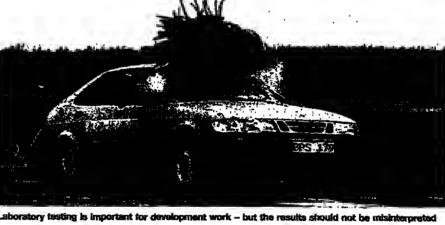
"I'm not saying we shouldn't be doing

Such data is published in Sweden itself, through intention of helping consumlargest insurer, and by two insurance institutes in the

comprising the Federation Internationale de l'Automo-

Folksam, the country's ers make more informed decisions about the safety of the cars they buy, are conducted at 64 kilometres an The appeal comes as Euro- bour, compared with the 56 pean New Car Assessment kph requirement of the curprogramme (Euro-Encap), rent "official" EU tests.

.. Publication of the first tests, on "auperminis" ear-Automobile's head of laboratory tests with bile, EU national motoring lier this year caused a furore accident investigations, says dumnies. They are useful organisations and the UK in the motor industry when finely-detailed maps in the company has built up a for development testing, but database of more than 5,000 the results should not be preparing to publish its next tion to occupants was consequently accident investigations, says dumnies. They are useful organisations and the UK in the motor industry when finely-detailed maps in the company has built up a for development testing, but department of transport, is they concluded that protection with database of more than 5,000 the results should not be preparing to publish its next tion to occupants was consequently accident investigations. siderably less than indicated in "official" tests.



#### **Tokyo without tears**

based in-vehicle navigation avstama are impressing European drivers able to afford the £1,300-plus that they cost, the advanced traific monitoring infrastructure in urban Japan is about to allow "intalligent" ronte guidance to be elevated onto another plane.
A wide-ranging co-opera-

tive venture has begun to allow drivers - initially only in Mercedes - to skirt the notorious traffic jams in Japan's capital of 20m people by integrating route guid-ance with "real-time" traffic information. The venture has as its

partners Daimler-Benz, its Japanese Mercedes-Benz subsidiary, Systembaus, Nippon Telegraph and Telephone, Tokyo's advanced traffic information system (Atis), and Tokyo police. The venture, which is

being operated by Daimler-Benz Interservices Telematic Japan, a company estahlished earlier this year, ntilises the network of 14,000 road sensors and TV cameras monitoring 900 intersections under the control of Tokyo police.

The dsta from this monitoring infrastructure is read hy 119 computers then passed for processing by the new Intelligent Traffic Guidance System (ITGS), which passes on route recommendations drawn up on the basis of prevailing traffic cooditions. The data is tailored to the position of individual vehicles and transmit-

sen (bullet train) timetables. Although confined ini-With economic damage

tially to Mercedes-Benz due to traffic jams in Tokyo vehicles, tha system will become available to other vehicle users later this year. Japanese motorists are by far the most advanced in terms of satellite-based route navigations, with more than 1m users already. The technology combines

Benz'a traffic research sector and Mercedes-Benz's route guidance system. The system also calculates estimated time of arrival in

forecasts, parking space availability in the city, news

software from Daimlar-

current traffic conditions. and provides additional information such as weather

a one-off registration fee of Y5,000 and a monthly fee of Y3,000 appear small. Mercedes-Benz's research division says that devalopment and testing of the ITGS system has taken about 15 years. However, the absence

in other big cities of such a highly-developed traffic monitoring infrastructure makes it likely that "the Tokyo system will be unique throughout the world for some time to come".

John Griffiths

strateg.

**AUTOMOTIVE RESEARCH AND CONSULTING GROUP** 

GLOBAL AUTOMOTIVE BUSINESS DEVELOPMENT

Automotive industry specialists working with vahicle and component industry management worldwide developing strategic solutions for business development in cem and aftermarkets - focus Europe, North America and Pacific Rim

 New business opportunity identification Product, market & corporate assessment / strategy development Assisting competitive positioning
 M&A support practice

EUROPEAN HQ: 35 Piccadilly, London W1V 9PB Tel: 44 (171) 734-7282 Fax: 44 (171) 734-4561

NORTH AMERICA: 7 West Square Lake Road mfield Hills, Michigan 48302, USA Tel: 1 (810) 335-2579 Fac: 1 (810) 333-7999

ARCG

#### Fleet management

## Cross-border operations gather momentum

EU integration fuels a need for companies to source and develop fleets on a pan-European basis, writes John Griffiths

Whatever the immediate outcome of groups ready to undertake the extenmonetary union, the Social Chapter sive research needed to understand the and other broad-issue EU negotiations. business is breaking down its own barriers across Europe to make the single market more accessible. One consequence is that the efficient operation of cross-border vehicle fleets – both cars and commercial vehicles – is moving of individual markets to attack Europe further up the corporate agenda.

The propensity for companies operating solely within national borders to buy and manage their own fleets is still strong - despite often exaggerated claims about the penetration of con-tract hire, leasing and specialist fleet management services into the traditional fleet manager's domain.
But the complexities of cross-border

fleet operations, ranging from legisla-tive differences to the varying cultures and intricacies of after-sales support, are creating a natural opening for spe-

constituent markets - and to obtain Italy, Spain and Portugal. the necessary expertise to exploit them. Arising out of that opportunity, a distinct trend is emerging: the forging

The attractions of the market are self-evident. According to estimates by Lease Plan, part of the Europe-wide vehicle leasing operations of the Dutch ABN Amro banking group, Europe's company car population totals 17m, an ever-increasing proportion of which needs to operate trans-nationally.

Dial, Barclays Bank's fleet leasing subsidiary, is already starting to reap the rewards of its own venture into a pan-European leasing activity, Anto

Leasing Europe (Ale). Set up in 1994 as an initiative of

includes Arma (the Netherlands and Belgium), Sixt Leasing (Germany, Switzerland and Austria), and Fleet Services (Ireland). Coverage of most of the rest of Europe is through Dial subsidiaries set up for the purpose in France,

Mr John Lewis, executive director of Dial and Ale's founder, says the logic of such an approach to Europe as a region is compelling. Individual markets differ widely and it makes good sense to tap each other's local market and product knowledge, as well as buy-

ICL, the computer group, Royal Liver, the UK assurance company, and Imation, 3M's data storage and imaging systems subsidiary, are among the companies with which Ale has secured contracts, with back-up services such as maintenance and breakdown services available throughout the region, irrespective of the country in which the vehicls is actually snpplied. "Increasingly, multi-national companies want a one-stop service," says Mr

ily a trading alliance between several hire sector has a reputation for being tain that the pan-European leasing maintenance of more than 95,000 cars European partners. Apart from Dial it victously competitive, and thus prone to over-state its own virtues. Nevertheless, the contention of some leading companies that their pan-European expertise is a worthwhile investment for internationalising businesses does appear to be paying off. GE Capital Fleet Services, for example - the USowned group which bought one of the UK's bigger lease companies, Leasecontracts, 21 months ago - says the pan-European part of the business has built up annual turnover of \$200m from zero in under five years.

Mr Jonathan Burr, managing director, insists that the move into international markets by the big companies, whether through takeovers or alliances, is not for the incestnous glory of the industry's leading participants, simply so that they can increase mar-

He claims that being able to organise fleet operations on an international basis "really can save mega-bucks" for businesses needing to take advantage of them. "We would expect a pan-European deal to produce savings of between 10 and 17 per cent," he says.

trend stems in part from the increasing around Europe. sophistication being shown by businesses towards out-sourcing. "Initiatives on the fleet front are now often being taken, and progressed, by extremely high-level sourcing specialists who have already embarked successfully on these kinds of cross-frontier sourcing deals in other areas, such as information technology and travel," adds Mr Burr. Catering to the demands of such customers, bowever, requires substantial investment. GE says it is committed to investing some \$100m in

the next five years. There is every sign that the developing pan-European vehicle fleets business will be as cut-throat as the josthing in national markets.

IT systems and other resources over

Also joining the Euro-alliance ranks Swan National, the contract hire and leasing subsidiary of HSBC-owned Midland, one of the UK's principal clearing banks - initially with Dutch group TOP Lease, UCA Lease of France, a Credit Agricole subsidiary, and Maske, an independent group in Germany. Collectively they claim to have con-

The alliance is a loose one, created under the banner of the Europewide Fleet Funding and Management Initiative (EFFAM). There are no cross-equity stakes. The project chiefly involves the co-ordination of services to give customers a single contact point in any country through which to gain access to services and expertise in any or all of the EFFAM member coun-

\*Already we have been in discussions with some companies and have tendered for their fleets, so we know the operational capability of EFFAM works," says Mr Wallace Stein, Swan National's managing director. Leasing groups in Denmark, Portugal, Austria, Italy and Switzerland are also earmarked for membership. In a project aimed at businesses whose needs for cross-frontier vehicle fleet operations are becoming increasingly urgent, one of EFFAM's first initiatives has been to commission s European fleet strategy management guide from academics at the UK's Henley Centre for Automotive

#### Business leasing now growing Europewide

as a whole.

Financial packages offer viable alternative to buying company vehicles, reports John Griffiths

mainly a UK phenomenon devised as a means of circumventing government-imposed pay freezes in the is becoming sntrenched throughout Europe. Excluding daily rentals, around one-third of all new cars are now likely to have been funded in some way by corporate cash, according to latest industry

Since 1994, the fleet sector has grown from 46 to 56 per cent of total new car sales in the UK. "In the other major European markets, fleet sales are less important but are nevertheless becoming a significant factor," according to Andersen Consulting research underreport\*.

Figures from Ecatra, the European vehicle rental and leasing association, show now the subject of business leasing and contract hire deals in the 16 principal countries of western Europe. The largest such fleets are based in Germany.

As in France, Germany's leasing and contract hire panies are resisting any sector is driven by national Volkswagen and Renault. to another study, under However, estimates in an taken by Research Associ-

European Guide to

study\*\* of Europe's new car market underline the reasons why the region is attracting so much attention from the contract hire and

already at a minimum of may soon start learning 1.5m units a year and growing rapidly, according to the

leasing industry.

That it is growing so fast, the EIU study concludes, is partly the function of highlyimaginative financing programmes and support services dreamed up by the pany car market. leasing industry, primarily in the UK and now being exported.

These financial packages are spreading to all European countries, offering an purchase," it says. "Contract hire is the newest of the forms and has not been fully accepted in many countries. However it is also the fast-

Even though the contract hire and leasing sector in the UK appears to be approaching maturity, it is not sur-prising that even mediumsized UK-based leasing comtemptation to set up in conti-

Mainly US-controlled multinationals such as Hertz, Avis and PHH are already too well entrenched for smaller independents to mount a significant challenge, the research concludes - "those companies which have aggressive plans for Europe are already multinationals".

It is in the UK, however New leasing contracts are that the leasing industry about the limits to growth. Contract hire, where all maintenance and other services is normally included, has been the main engine of growth in the UK, reaching 1.06m units in 1994, or around one-third of the com-

By the year 2000, however, according to Research Assoclates estimates, contract hire will peak at around 1.44m units, representing some 50 per cent of the total

It is an industry in which margins are already under considerable pressure, with concerns about long-term profitability of the sector being aired ever more stri-

Marketing Strategies in the European Car Industry, FT Automotive Publishing, Pearson Professional Ltd., Maple House, 149 Tottenham Court Rd, London WIP 9LL

\*\* The New Car Market in car manufacturers such as nental Europe, according Europe, Economist Intelligence Unit, 15 Regent St., London SWIY 4LR



Royal Mail, one of the UK'e largest vahicle fleets, is conducting trials of alternative gas fuels CNG and LPG in conjunction with BP and Ford Motor

#### 'Clean' fuels slow off the mark

Governments are stepping up efforts to encourage companies to switch, reports Neil Wallis

least 5 percentage points

Converting a light dnty

vehicle to run on LPG costs

roughly £2,000 and a heavy

duty conversion around

£9,000. LPG-dedicated

vehicles are also available at

a modest extra cost over die-

sel models. Renting e fleet

fuelling facility costs up to £25,000 annually, though fuel

suppliers may pay part or all

Mr Henry Clayton, Euro-

pean auto LPG development

manager for Shell Gas, says: A further reduction in fuel

duty would give a real boost

Operators running costs are

almost et break-even now,

but more belp is needed.

especially for bus operators

who already get a large

UK fleet managers considering switching their fleets

to a gas fuel are constrained

by the need for vehicles to

return to a central location

as, unlike in the Netherlands

or Italy, public refuelling

facilities are extremely lim-

LPG is the world's most widely used alternative fuel

but, with about 1m vehicles

operating globally, CNG is

gaining converts. Adapting a

vehicle to run on CNG costs

slightly more than an LPG

conversion, mainly because

the fuel tank must be larger

and stronger. CNG-dedicated

vehicles are now available

emissions advantages com-

pared with conversions, but

there is e price premium.

CNG refuelling facilities are

also more expensive to

The choice between CNG

and LPG is likely to depend

on the type of vehicle fleet

inceptives for switching

An important concern for

rebate on their fuel duty."

of this cost.

above the rate of inflation.

Fleet managers have plenty of reasons to be sceptical when advocates of alternative transport fuels announce that a breakthrough for one or other of the "green" fuels is immi-

Recent transport history is replete with false starts and failed promises, but evidence is mounting to suggest that it may be time to suspend

Governments throughout the world are taking concerted steps to reduce pollution in cities and to meet agreed targets for reductions in carbon dioxids emissions. Simultaneously, clean fuel technology developments are being spurred in the US through a combination of mandatory limits on emissions and tax incentives.

In the UK, the new Labour government has come to power with a commitment to force the pace of develop-ment towards cleaner fuels. It inherits a programme set up by the Conservative government and run by the Energy Saving Trust (EST) to promote the use of alternative fuels.

EST's Powershift programme aims to transform the markst by increasing awareness among fleet managers of the benefits of alternative fuels, and by improving the availability of refuelling infrastructure.

The programme includes projects to demonstrate the viability of vehicles running on liquefied petroleum gas and offer performance and (LPG) and compressed natural gas (CNG), and e Coventry-based scheme to assess the technical merits of electric cars. Both the gaseous fuels, according to their install, although this cost advocates, are becoming may be met by fuel supplicommercially attractive following cuts of 15 per cent and 25 per cent in fuel duties in the last two government budgets and an imminent and a number of local supply reduction in vehicle excise factors, as well as the availduty for certain gas-powered ability of grants or other

EST's transport pro- fuels. Mr Murray says that, gramme manager, Mr Jona- at the moment, the economthan Murray, believes that ics look most attractive for the new UK government will light vehicle fleets convertcut gas fuel duties further ing to LPG and for large and introduce new tax truck operators changing to breaks. Meanwhile, the CNG. duties levied on the "traditional" road fuels - petrol fleet managers opting for

the resale price of gas facilities. vehicles will continue to be low until a larger markst Mr Martin Hancock, marketing and dsvelopment and diesel - are likely to continue to increase by at

manager of Travel West Midlands which has bought 14 contractors for Marks & Volvo CNG buses, expects its operating cost per kilometre to be comparable with diesel models despite a duty rebate of about 25p per litre on diesel. The buses were purchased with support from the Energy Saving Trust,

So far, apart from public

transport operators, only a few private organisations in the UK have opted to try alternative vehicles. Body Shop and the main delivery Spencer, BOC Distribution. are exceptions, trialling CNG delivery vehicles in the London area.

Aside from the potential financial gains, are thers any other reasons for a company to change to alterna-

vice president of the advertising agency Young & Rubicam Europe, says that research indicates that there are few clear business bene fits to a typical company in being seen to be "green" although it is a gesture of "good citizenship". Being an early switcher to a clean fuel could, however, offer an immediate PR boost: "There is certainly a publicity opportunity, and it would be positive news, positioning the company as responsible and forward-thinking."

# strategy bible

#### No miracles. Just revelations.

In the beginning there was darkness. And confusion. Then it came to pass that Swan National became one

of the largest car leasing companies in the land. Soon it was known that Swan National had more fleet funding solutions than anyone else. And Swan National commissioned a book on the subject and the people rejoiced. Call Swan National on 0121 450 5760

for your FREE Henley Guide (Cover Price £25) - an indispensable guide to formulating fleet strategy independently prepared by the Henley Centre for Automotive Management. We'll also be happy to arrange a meeting to discuss your requirements.

Fleet Strategy. Swan National

> Swan National Ltd, PO BOX 5693, 54 Hagley Road, Birmingham B16 8PL.

while British Gas paid for tive fuels? IMPORTANT INFORMATION FOR COMPANIES WHO OPERATE A FLEET

> How you could pay MORE for your vehicles, yet SAVE £89,000

A paradox explained On analysing a customer's business and advising them to move from funding their vehicles through Contract Hire to Contract Purchase and actually increasing their monthly rentals by £60\* per vehicle, we were able to reduce their overall fleet. cost by more than £89,000 over 3 years. Contract Purchase allowed the customer to benefit from lower operating costs due to corporation tax and VAT benefits. So although the cheaper monthly rentals for the Contract Hire option seemed best, in this particular case, Contract

Purchase ultimately proved to be cheaper over the term of the contract due to the Pro-activity is the key to our success

More and more companies are coming to Dial because they find Dial's pro-active approach is resulting in increased fleet efficiencies and real reductions in vehicle operating costs.

Expertise and experience to focus on all fleet issues The case above illustrates just one example of how we can address all your fleet issues from tax policy to fleet policy to the optimum funding method to the best sourcing/disposal strategy to adopt and so on.

Dial, one of the UK's leading vehicle management companies Dial is part of the Barclays Bank Group

Pic and has over 30 years' experience in delivering tailored vehicle management solutions to a wide diversity of fleets and industry sectors. Our full commitment to meeting our customers' needs enables us to develop long-term partnerships, and play an important role in supporting the changing needs of their business.

Call Dial's vehicle management line on 0181 246 3061 and find out how we could make a significant impact on your fleet.

Average monthly rental charge for a fleet of Ford Budged executive cars, Please note: Diel's solutions are tailored according to the particular circumstances of each company. This example of charging funding method may not be









#### The tyre industry

#### Pressures on profits remain

Demand in developing countries looks rosy, but competition among manufacturers is likely to remain intense in these and existing markets, writes John Griffiths

The good times are rolling again in the world tyre industry - but only when measured against the severe buffetings it bas received over the past decade. Profit margins are still very modest by the standards of many other industries, particularly in the case of original equipment supplies to the world's rehicle makers

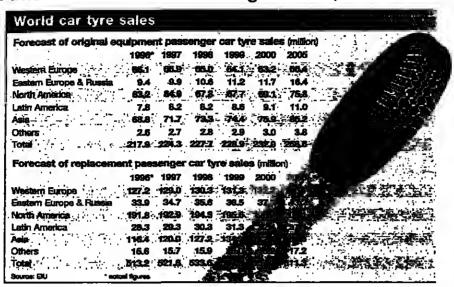
Most, if not all, of the leading participants in the sector are pleased to have returned to clear profitability after five years of consolidation and restructuring.

There is also minor comfort in the prospect that the severe competitive pressures facing the industry should be mitigated a little by steady growth in demand for tyres as vehicle use iocreases in the emerging

Total demand, covering both original and replacement tyres, is projected by most industry estimates to grow by nearly 20 per cent 2005. However, according to forecasts from the Economist Intelligence Unit in a new study of the industry\*. only 8 per cent growth is forecast for the developed markets of western Europe and North America, compared with a rise of 36 per cent for the developing

Those forecasts promise a fierce battle for shares of this new business, with aggressive and rapidly expanding tyre companies indigenous to the Asia-Pa- manufacturers may still cific region, for example, have some way to run - a determined not to be left viewpoint given some subout. In these circumstances, a big question must be; can the industry's current profitability be sustained, and if so, for how iong?

capacity. There is still too Three" - Bridgestone, much in developed regions Japan's and the world's big-such as Europe and North gest tyre maker measured by exception America, yet more has been value of sales, France's sec-



coming on stream in the developing world, including India and China, from which there will be an increasingly aggressive drive for export

Despite the industry's declarations that never again would it allow itself to repeat, for a third time, the price wars, plant closures. takeovers and other rationalisations of the early 1980s and early 1990s, speculation is growing that another over-capacity crisis is waiting in the wings for the next cyclical downturn.

Soma industry analysts say that even the process of consolidation which has left more than 80 per cent of the world's tyre production in the control of just 10 large stance when Cooper Tyre, of the US, bought the small but well-known Avon Tyres, of the UK, this year.

Under these analysts' sce-The biggest concern is nario, the industry's "Big

FINANCIAL TIMES

Conferences

World Motor

Conference

10 & 11 September 1997. Hotel Intercontinental Frankfurt

premier event in Europe for the international motor industry. This year's meeting brings together expert speakers from

Europe, the USA and Asia Pacific to discuss recent developments and future trends in the world automotive sector.

In association with FT Automotive Components Analyst

To register NOW please fax this form to us on (+44) 171 896 2696/2697

New Markets and New Players in the Automotive

Business - Where is the Growth Going to Come

Challenges Facing Component Manufacturers in

Technology and Telematics - A Driving Force in

**EM British Midland** 

the Late 1990s

the Motor Industry

FEES ARE PAYABLE IN ADVANCE

Please reserve one place at the rate of £914.25 (£795.00 plus German MWST at 15%)

Please send me further details regarding this conference

Cheque enclosed made payable to FT Conferences

Please charge my AMEX/MasterCard/Visa with £

Expiry Date: Signature of Cardholder.

27 August 1997, and will be subject to a 201

Bank Transfer to: FT Conferences, Midfand Bank pic,

Please note that as the conference is being held in Germany all registraris are liable to pay German MWST at 15%. A VAT recept will be sent on payment of the registration lies.

City of London Corporate Office, Account Number: 71009095 Sort Code: 40 02 50 International SWIFT Code: MIDLGB22

This major FT conference, timed to coincide with the biennial Frankfurt Motor Show, is widely regarded as the

Topics to be discussed include:

Industry - Opportunities and Challenges in the

Europe's Competitiveness as a Production Base for

Supported by: Rockwell Automotive Official Carrier:

Government Subsidies and the European Motor

■ The Restructuring of the Global Automotive

ond-placed Micbelin, and Goodyear Tyre and Rubber already have a large size advantage, and hence economies of scale, over the next three companies - Continental (Germany), Pirelli (Italy), and Sumitomo (Japan). The top three companies are each at like twice as big as their counterparts in the second tier.

Certainly, the big three have performed well financially at the operating level, although the ongoing costs of restructuring and other exceptionals have continued to hit bottom lines.

Bridgestone, helped by the depreciation of the yen, last year saw its export sales rise 30 per cent, lifting total sales by 16 per cent to Y1,958bn. Net profits jumped by 29.9 per cent to Y70bn. Goodyear reported 1996 earnings of \$674.7m, up from \$611m in 1995, although nat profits fell after extraordinary charges relating to its oil pipeline. Tyre sales rose by 7.2 per cent. Michelin's net earnings last year rose to FFr2.9bn from FFr2.8bn, despite more exceptional costs than

Subjecting the second-tier companies to a pincer-movesmaller, yet highly focused, companies finding adequate returns in the business by concentrating exclusively on niche markets, or confining their activities to specific

rapidly-expanding companles in South Korea and other Asia-Pacific countries. Kumho, of South Korea, is already ranked tenth in the world with sales of well over \$1.2bn. Its national rival. Hankook, is one place down the ladder but says it is determined to overtake Sumitomo into fifth spot

within a few years. The second-tier players, the EIU study argues, "have a world presence but typically thay ara significant players in only two or three regions and they do not dominate or lead in any region. In this situation it is difficult to earn the profit margins enjoyed by the industry lead-

Company accounts for 1995, when recovery from recession was gathering

momentum, supported the contention: operating mar-gin for tha big three averaged averaged 7.8 per cent, the average for Conti, Pirelli

Yet the second-tier compa nies can point to a faster recovery rate than their bigger rivals, and both Pirelli and Continental maintain that they are doing well by a strict approach to controlling costs and targeting, in particular, high-performance and other premium tyre

Last year, despite the stronger lira leading to Pirelli's tyre sales falling by 4.6 per cent, operating profits rose by 6.9 per cent. Net profits advanced 51 per cent to L387bn, well above market forecasts. Mr Marco Tronchetti Provera, Pirelli's chairman since an abortive bid to take over Continental plunged Pirelli into losses five years ago, says ba expects Pirelli to perform "positively" again this year.

Continental last year saw profits before tax and extraordinary items rise 68 Additionally, there are per cent to DM328m, although this was reduced to a 24 per cent rise at tha net level because of ongoing restructuring costs. Tha company, as well as closing some plants in order to concentrate manufacturing, has mada some initially expensive moves to escape some of Germany's high costs by transferring production of non-premium tyres to countries such as tha Czech

Republic and Portugal. Sumitomo, Japan's third-largest tyremaker and which controls Dunlop in Europe, saw its tyre sales rise by 6.1 per cent, helped by recovery in the Japanese car industry, while full-year consolidated profits rose by 29 per cent. Further profits increases are forecast for this year. Sumitomo and Goodyear

this year have shown that the case for maintaining flexibility of approach, both to markets and production is a strong one. Currently they ventures of recent years, a of ing agreement under which Goodyear will produce and sell Dunlop-branded tyres in in the east. the US and Sumitomo will produce and sell tyres for Goodyear in Japan. The agreement could lead to other collaboration with Sumitomo, according to Goodyear.

The proclaimed rationale for the deal is that by better utilising the manufacturing assets of each company, no more capacity is created and each company has better access to desired markets without investment or cycli-

The World Tyre Industry: A New Perspective to 2005. The



#### Asians start to put squeeze on Europe

Low-cost plants in the old east bloc area may be a mainstay defence, writes John Griffiths

The world tyre market is far estimates. demand for from bomogeneous. Some America and Asia-Pacific, are enjoying rapid growth; others, such as western Europe and North America, are mature and offer no prospect of snbstantive increases in sales in either tha original equipment or replacement sectors.

Europe, however, changing as the countries of central and eastern Europe increasingly become drawn into the wider continental

Car production and sales are rising rapidly in countries such as Poland and the Czech Republic, creating new markets for both original equipment and replacement tyres.

Low labour costs and good engineering traditions in these countries have also. encouraged another strategic shift in the tyre industry takeover the and modernisation of tyre plants

fourth largest tyre maker, industry. quarter of its output to such lower cost plants, notably in the Czech Republic.

Among its five acquisitions during the past year, Goodyear has acquired TC Debica in Poland and a majority stake in Sava, the Slovenian tyre maker. Michelin has acquired plants in Poland and Hungary.

Most analysts expect more tyre plants to be opened in the old eastern bloc for some time to come - but offset Economist Intelligence Unit, always by capacity
15 Regent Street, London, reductions in the west. According to industry closed its Dublin facility Rubber.

original equipment tyres in eastern Europe and Russia will almost double, from just over 9m units last year to approaching 17m within the next decade, with the replacement market jumping by around one-third to 43m

The truck tyre sector is also expected to enjoy rapid growth in the region, the original equipment and replacement sectors combined rising from around 29m units last year to more than 40m by 2005.

Mnch of the eastern region's tyre output will be directed to west European markets as part of efforts to fend off increasingly determined efforts by South Korean and other Asia-Pacific producers to penetrate both Europe's OE

and replacement sectors. The Asia-Pacific producers are already meeting with are putting in place one of the reduction of capacity some success, despite the more significant joint in higher-cost regions European-based rivals' Continental, tha world's field with the European

> Hankook, second-largest tyre maker, for example, has already secured some original equipment business with niches which some smaller western car makers. It has been given technical approval by Ford to become a global supplier, and its producer, has prestigious tyres are already fitted on some of General Motors'

Opel Corsa models. Growth in eastern Europe however, has taken its toll on a number of plants and several thousand jobs in the west. Within the past year, for example. Continental has

with the loss of 600 jobs and cut back output sharply at its Hanover plant in Germany and its Semperit facility in Austria. Goodyear has closed a substantial facility in Greece.

But it is not all bad news for western Europe. The capacity being jost has tended to have particular problems, such as poor location or a need for beavy reinvestment. Mlcbelin, Pirelli, Goodyear and others are continuing to invest beavily to make their key west European facilities more efficient and to utilise them more effectively.

Inavitably, when such competitive pressures are put on the big manufacturers, the smaller ones will continue to be squeezed out, or at least iose their independence. As Mr Brian Smith, managing director of Continental's UK operations points out, Continental ltself now controls nearly a dozen brands, including Semperit and Barum.

The absorption process is expected to continue as the industry leaders acquire further second and third-tier western Europe, contentions that they will brands with which to production and market shar- particularly Germany, and never really succeed without compete at all price levels in establishing manufacturing the market place. Such a plants, and thus having to strategy is viewed as fight on a level playing necessary if the image of the field with the European "premium" brand names such as Michelin, Pirelli and Korea's Goodyear is to be preserved.

Also driving such acquisitions are well-developed market companies have exploited with skill Avon Tyres, for sxample, the small UK contracts as a supplier to Rolls-Royce and Bentley competitiva squeeza that even Avon, though still making profits, has had to succumb - and is now part of the much larger US company, Cooper Tyre and

## proces

#### Optimism abounds in spite of US price wars

Manufacturers have withstood competition and plan expansion, writes John Griffiths

Bridgestona of Japan, already the world's biggest tyre maker, has set itself the goal of increasing its global market share from around 18 per cent to 20 per cent by the end of the decade. The which it is strongest, not least North America.

It has increased its 1990 when it took over overseas earnings. Firestone, one of the beet-known US brands. Capacity is scheduled to further 10 to 12 per cent by the end of this year.

It should come as no surprise, therefors, that North America is being Morgan analyst.

In the circumstances, its rubber chemicals," he says. rivals - notably Goodyear. the sole surviving US-owned lowest cost producer of the member of tha world "big three" - have stood up to

Goodyear has just reported its 24th consecutive rise in quarterly operating income, with its operating profit

margin rising. "In a tough year Goodyear has done all the right things reverberations are being felt in our view," says Mr throughout the markets in Bradley. Howsvsr, he believes the US group will find the coming 12 months at least as tough as tougher capacity by 80 per cent since competition weakens

Mr Samir Gibara, who took over as chairman of Goodyear is back on the Goodyear last year, professes have been raised by a himself undismayed. Goodyear, he maintains, is in good shape to weather the storms and has its strategy Africa. firmly in place.

cent last year, according to of the markets in which we Mr David Bradley, a JP participate whether in tyres. engineered products or elahorate on what these Yokohama and Toyo - and "The other is to be the

three global players."

by putting particular focus on the large, more stable and profitable replacement tyre

so is understandable. not be found in Seoul's back Growth of the world yard. Indeed, Kumho and replacement tyre market has far surpassed original equipment supplies, rising ambitions to displace some by 249m units compared of the industry's oldest with the OE sector's 90m increase during the past 25 years. Profit margins in this sector are also substantially

While making no overt claims to wishing to intention to become the re-establish itself as the world's biggest tyre maker, manufacturer, in just the acquisition trail, with five purchases totalling \$430m in little over a year in Europe. the Philippines and South

Yet more acquisitions are "One major objective is to on the cards, while a believe the expansion of swept by price wars. After bold a number one or production-sharing both tyre makers is too fast being flat for more than a number two position in all of agreement with Sumitomo and that they will soon run decade, prices fell by 4 per the industries and each one in the US and Jepan opens into trouble. If they do not, up many more possibilities. smaller Mr Gibara refuses to manufacturers, such ss might involve

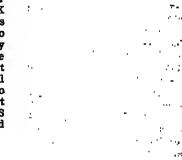
however, suggests it may a fierce battle for survival. mark the beginning of the even allowing for the rapid The company intends to naxt round of global growth of vehicle markets in the competition remarkably build on a strategy, started consolidation. If it does, he Asean and other Asia-Pacific in the early 1990s in Europe. maintains, "that would be

to improve the business mix good for tyre stock prices and eventually good for

earnings as well". victims consolidation, tha South That it should wish to do Korean industry insists, will Hankook, the country's biggest producers, have clear members of the world's "top six". Kumbo is already the world's tenth largest tyre maker and Hankook is just

one place behind. Hankook has declared its world's fifth blggest same way as Shouth Korean companies Hyundai and Daewoo have declared that, within the next decade, they will be among the world's top 10 car makers,

Some analysts say they Japoness perhaps even Sumitomo -JP Morgan's Mr Bradley. may find themselves waging



1 12

- 1. 1. 2. <del>1. 1.</del>

ورأهويت الأ

oor wasa a

インドー・ラブ(第4)。

#### The tyre industry

**Michelin** 

holds on to

## Partners grip demanding problems

Pirelli developed a tyre for the XK8 in parallel with Jaguar's work, writes John Griffiths

done it with Pirelli.

When the demands made of a tyre are at the outer edges of the performancs envelope, the tyre which works best is one developed in parallel with the car optimising grip, handling in wet conditions, ride, noise and other characteristics as a partnership engineering

During the past few years, computer-aided design, simultaneous engineering, finite element analysis and even computational fluid dynamics have facilitated this process, allowing a tyre to be computer-modelled to predict its principal performance characteristics before the first ons has been

The tyre development for the XK8, Jaguar's most important car for two decades, provides a textbook case of the vehicle/tyrs development partnership, which is increasingly likely to become the industry norm as performance criteria even for fairly modest cars become more demanding.

L Ortfill

unds in

ice wars

Pirelli was well placed for the XK8 project even before it was set in train by Jaguar. It already had 80 per cent of Jaguar's tyre business and for the XK8 Jaguar decided to make the dsvelopment and eupply reletionship

go-ahead by Jaguar, and its parent company Ford, in befty new machinery and January 1994. The tyre equipment." requirement to mest Jagnar'e particular allowed the final tyre specifi-characteristics of good cation to be developed, and roadholding, low noise and refinement were defined that September. First tests on an early prototype started two months later. During 1995. the chaseis and car

Porschs did lt with development, with the basis Bridgestone; Jaguar has now of the "ideal" tyre evolving to become a version of Pirelli's "flagship" P Zero

high-performance range. Jaguar set an existing car/ tyre combination as a datum: an XJR model was fitted with P Zeros. The tyre devaloped for XKS had to provide equal dry and wet roadholding, improved high-speed and directional stability, equivalent ride comfort, improved refinement, reduced noise levels; improved on-centre "feel" (less steering vagueness in a straight line), and reduced "flat spotting" (the result of tyres and rubber taking a semi-permanent set when parked for a long time, leading to steering wobble until the deformation is eliminated by rotation and heat). Last, but not least, tread life had to be maintained.

By November 1995, the deadline for first XK8 production, was set - June 3 1996, just 30 months after the the car had been conceived. The tyres would carry the P Zero name and tread pattern, but sizes, materials. structures and manufacturing processes would differ from any earlier UK-produced P Zeros.

"They needed major pro-cess revisions," recalls Mr Barry Allbert, technical director of Pirelli's Carlislebased R&D operations and thus in overall charge of The XK8 was given the Pirelli'e XK8 project. "We had to install come pretty

> Simultaneous engineering the first prototype tyres built in the three months leading up to the car's unveiling at last year's Geneva motor show.

In April, with Jaguar's and



tyre specification was signed off, and production at Carlisle got under way in May. The core part of the tyre turing process had taken just seven months. "It

pushed us to the limit," says Mr Allbert. He expects, however, little relief in the future. "Times to markst are shortening and we are almost continually compressing the tims scales," he says. "The only

way we can seriously achieve time compression is to run everything in parallel, not sequentially - the classic simultaneous engineer-Currently, a dedicated tyre development time of two to

three years is the norm; in some cases involving modestly-performing cars - like Ford'e Ka hatchback - existing tyres can still be used

yon're talking about seri- suspension, dampers and ously high-performancs vehicles there is a tremendous of amount of work to development and manufac- be shared between car and tyre maker to make sure thet suspension, braking systems, shock absorbers and tyres combine to work

in harmony," says Mr All-

"In Jaguar's case, we are almost an integrated part of their vehicle development team. We have e defined Jagnar project team, comprising testing, materials and process devslopment and research, plus quality assurance. The team works closely with all functional elements in the relevant Jaguar development teams, and development of the overall nackage becomes a continu-

ous flow of activity. "Taking that epproach allows a much greater

working in parallel, the final Ford Piesta's). "But where the technology of the tyre to allows computers to take brakes; between us we can achieve the optimum for all the components making up that particular enb-assemmodel of a planned new car from its database to the tyre

Pirelli uses Japan'e Taguchi method of ranking by importance individual factors determining the characteristics of the finished tyre, in order to cut down on the huge variety of experimental tyres which might otherwise have to be built to take account of varying compounds, belt angles, carcass components and other ingredients. From then on, things can become frantic. For a new tyre like the XK8's, prototype moulds and process equipment have to be created, including the production of tooling - such as dies for rubber extrusions - specific to the tyre'e construc-

tion and size Fortunately for the industo a new pitch the interest and speculation by rival manufacturers over precisely how to respond to the production processes, whose three enigmatic letters

> tyre manufacturing. already established in Europe, the US plant, at Greenville, South Carolina, making tyres using only a - as little as 10 per fraction cent - of the factory space and only two-thirds as much energy as conventional pro-

try, sophisticated software

over much of the work. But

will the day come when a

carmaker manufacturer can

simply transfer a "virtual"

manufacturer'e so the lat-

ter's software can design the

optimum tyre? Most technol-

ogy experts in the tyre

industry maintain that this

is highly unlikely - at least

until well into the next cen-

that can be achieved.

sation, it's all subjective."

The new plant, part of a \$500m expansion programme for Michelin'e tyre manufacturing ectivities in South Carolina, eliminates component manufacturing and assembly processes and should result in a reduction of nearly 20 per cent in perunit production time.

Micbelin bas already Even allowing for all the brought two similar plants technology, says Mr Allbert, on stream in France and a there is no substitute for the third in Sweden, projecting buman factor. "The tyre that more than one-third of its total tyre output will use industry has not yet found a way of predicting vehicle the process by the end of the characteristics to a level which is sophisticated While Michelin Itself has

enough to be sure that the refused to provide any final result is the optimum insights into the detailed technology, investigative work by the editor of Euro-pean Rubber Journal, Mr David Shaw, has pieced "In the end, when it comes to the last degree of optimi-

secrets US plant appears to promise big

savings, says John Griffiths Groupe Michelin, the world's together much of the prosecond-biggest tyre maker The construction of the which has become a by-word

tyre is very different from for secrecy, has opened its conventional units, he confirst C3M car tyre manufacturing plant in North Amercludes, eliminating from the process expensive and In doing so, it has brought time-consuming equipment and processes such as calendars, large extruders and

The flexibility of the CM3 plants arises from the large number of individual tyre appear to mark a step change in the economics of building machines which can be installed in a small space and for a given capital Like its counterparts outlay, according to Mr lready established in Smith. Each building machine is flexible only in that several types of tread is indicated to be capable of construction can be produced on eech building machine, but not varied sizes. Each building machine is of fixed width and diame

> Conventional build prosses make extensive use of pre-manufactured components in the building process. However, the C3M process uses continuous mixing and direct extrusion on to the building machine.

The process has been hailed as revolutionary by some industry analysts - Mr Stephen Reitman, of Merrill Lynch, has described it as the equivalent of e "neutron bomb" in terms of its potential to reduced the size of workforce needed to produce

Michelin's rivals, however, profess to be not unduly perturbed by Michelin's developments. Continental, Goodyear and Pirelli, for example, claim to be making rapid progress on flexible production methods to suit their

#### Gel process may sweep away old practices

save millions of man-hours in the tyre-fitting industry

tively, they require more

bours are spent annually wheel, or both. In effect, this mounting, spinning up, balmakes the tyre and wheel ancing and taking off wheels. Add to that the fact that several billion small versally for balancing and thet a few million of these will fall off during use, doing the environment no good at

The process is time-honoured ... and self-evidently

whether original equipment for a new car or being fitted

Each year, the world's with a gel as it is mounted vehicle makers produce on the wheel and inflated. more than 40m cars, vans, The first time the tyre is trucks and buses. Collec- rotated towards working speed, the gel redistributes than 250m wheels and tyres. itself under the combined action of centrifugal forces

replacement tyres are fitted. and vibrational stresses At even a few minutes per caused by minor manufac-unit, that means millions of turing variations of tyre or combination self-balancing. The company that has created the gel and the process unveiled it at Bologna's

motor trade and industry show last month, claiming a "quantum leap" in terms of both cost-saving and the precision of wheel/tyre balanc-Premature tyrs wear

oscillations is also reduced. providing a bonus for consumers (but not necessarily tyremakers), according to Prof Seitz, the Munich University-based consultant consultant to Antobalance, formula which is capable of in London.

the gel adapts to change maintains.

head of marketing, says one of the biggest development problems has been to create a gel capable of keeping its characteristics stable over a broad temperature range Another has been establishing that the gel does not react adversely, over time, with the inner tyre wall.

grammes of which are used for average sizes of tyre, typically coats to a depth of 3 or

possible complexities of

Since then, however, the

difficulties some EV users

have been encountering in

respect of inadequate range

GM launched the EV1 last

December in California and

retail price of \$34,000, except

Leaving aside the replacement market, which raises more complex issues such as ket for Autobalance there fore becomes the tyre maktyres to wheels and balance

John Griffiths hears of a technique that has the potential to

inefficient. Professor Norbert caused by out-of-balance Seitz puts forward another The inside of the tyre,

over time there is no need to rebalance the wheel/tyre combination as the tyre tread wears, Autobalance Mr Bertil Carnehammar, Autobalance's chairman and

The gel, 250 to 350

which has its headquarters being manufactured in volume and forms a part of a Because the distribution of complete technology without [auto] companies is interested", says Mr Carnehammar. Work is continuing on the system, which must conform with the car makers' balanced wheel/tyre units being delivered to the assembly line.

> ers themselves, who typically mate their own the assembly lines.

Antobalance. mainly by Swedish investors, says it has spent nine

#### Electric vehicles make slow progress

Continued from Page 1

market from next year. Under a mandate drawn up several years ago. Carb had required 2 per cent of cars sold in California next year by the leading vehicle producers to be EVs, rising to 10 per cent in the year 2003.

The main technical burdles still to be overcome in tance have led to the 1998 requirement being aban-

left in place the "10 per cent charging stations, and the ing that talks with 800 potenby 2003" requirement and is still threatening carmakers with severe penalties in the case of non-compliance.

J.D. Power interviewed 400

people by telephone in southern California earlier this year. It found that the 77 per cent of respondents who would not consider bettery-powered cars were concerned mainly with whether ench completely new vehicles were reliable, the doned. However, Carb has availability of adequate

for the Los Angeles basin'e vast urban sprawl have been receiving considerable publicity - likely further to dampen Californians' enthu-

siasm for the vehicles.

refuelling.

that GM decided the vehicle would be lease-only. The EV1 this year is being joined by models from Honda, Toyota and Ford, among others, some with more advanced batteries such as Honda'e nickel-metal provide substantially more

The EV1 currently is powered by lead-acid batteries. GM has reduced the prove justified and thus furmonthly lease payment on ther break down consumer EV1 to \$399 from \$530, claim-resistance.

range than GM's EV1.

leasing cost as the biggest deterrent. Although the lease payment includes batteries at home, GM is also expanding its network of charging stations in an

attempt to allay potential

Following the leasing charge cut, Carb, together with legislatore in some northern US states which are planning to introduce Arizona. It would have a similar clean-air rules to California's, are to monitor closely over the coming months the extent to which consumer resistance to GM's EVI might run deeper than price. They are also anxious to establish whether the claims of newer battery cars hydride units - claimed to into the marketplace, such as Honda's EV Plus hatchback - just entering the market also on a lease-only

hasis - to greater range will

TECHNOLOGY INNOVATION QUALITY VALUE# The solution and cheeling the

All the solution of people of the solution of t

ELM International, Inc. global automotive OE suppliers reference guides covering:

- North America - South America - Europe P.O. Box 1740 - East Lansing - Michigan 48826 Phone: 517/332-4900 Fax: 517/351-3032 http://www.clm-intl.com

#### Focus: Iberia's motor industry

#### Tax initiative may boost home sales

Spain is a leading producer, but its people hang on to elderly cars, writes Tom Burns

Spain is in the odd position of being the third-ranked auto producer in the European Union, after Germany and France, and having a higher proportion of elderly cars than any other EU nember apart from Greece.

At least 5m of the 15m cars on Spanish roads are more than 10 years old. Moreover, there are only some 300 cars per 1,000 inhabitants in Spain. Analysts estimate that a period of sustained, such as Spain appears to be now entering should, in a comparatively short period. lift car ownership to 400 per 1,000 inhabitants.

These statistics point to Spain. At a time when other European producers worry about the industry's over-capacity, Spanish manufacturers take comfort in the growth potential of the domestic market.

Identifying the home consumer cushion has become a vital exercise for the manufacturers because the domestic industry is very strongly weighted towards foreign sales, Last year, 1.5m of the 1.9m cars manufactured in Spain were exported, and 90 per cent of the export total was sold within the EU.

The sector is especially exposed to slumps in France, which accounts for more than 30 per cent of its exports. The current depression of the French car buying market has particularly ducers, is somewhat cau-affected manufacturers in tious about the impact of

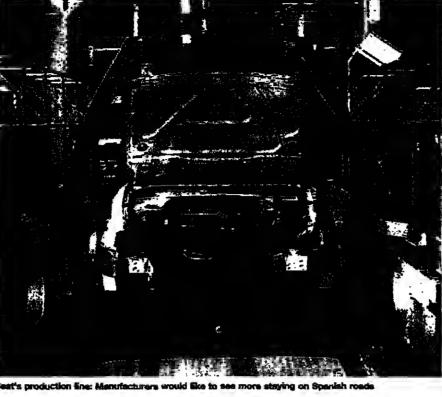
three months of this year was down by 6 per cent on last year to 493,913 units, and exports were 9.3 per cent The 1996 figures for the

industry were more encouraging because, while production and exports numbers remained flat, registrations in Spain increased by 9.2 per cent to just over 911,000. This total should be compared to the 1.1m cars registered in 1969 - the peak year non-inflationary growth for domestic cars sales - and to the industry's belief that annual domestic registration should be in the region of

Industry thinking revolves around stimulating domestic the strength of the sector in demand. In this sense a recent government initiative which offers tax rebates for the replacement of cars that are more than 10 years old could hold out further hope for the manufacturers

Modelled on a similar initlative in Italy, and unlike a 1994 incentive that limited the tax cut to a 12-month period, the government's Prever plan offers Pta80,000 for replacement purchases on a permanent basis. The rebate is roughly the

very clearly at spurring a domestic industry that is overwhelmingly based on production of small vehicles. Anfac, the umbrella association for Spain's auto pro-



prompt only a modest growth of some 60,000 additional units in the second half of this year. Analysts are more upbeat; shares in Renault, the French group which like other multinationals has concentrated production of small cars in

Prever plan was unveiled. As it awaits demand to pick up both at home and abroad, Spain's auto sector reassures itself with what Anfac claims are the kay strengths of the domestic industry; modern factories; the depth and efficiency of the domestic components industry; and the competitive unit-labour costs of

Spain's anto-workers. Such points are used to calm fears that the plants in equivalent to the 7 per cent sales tax levied on small cars and it is therefore aimed Spain operated by the multinational car groups could be the object of downsizing or

The most modern domestic plant is the one opened at Martorell, outside Barcelona, by Seat, Volkswagen's Span-ish subsidiary, Martorell will Spain; production in the first Prever, and forecasts that probably be the last new manufacturers. The para- challenges of over-capacity.

the plan's incentives will major auto manufacturing facility to be built in western Europe, and it has already undergone renovation that has doubled productivity.

Seat, once state-owned and still the biggest producer for that it has put its financial troubles of the early 1990s behind it. With its profit and Spain, increased sharply on the Paris exchange when the loss account back in the black, VW's Spanish unit plans to invest Pta120bn in new models by 2000.

Substantially increased efficiency claims are also made by the trio of French producers - Citroen, Peugeot and Renault - which are all long-established in Spain. GM's Opel, which, in the mid-1980s, was the last of ths multinational producers to set up in Spain, last year manufactured more units at its plant near Zaragoza -491,700, of which 437,705 were exported - than any other auto group in the

Restructuring programmes conducted by the domestic industry have focused, as elsewhere in Europe, on building up local component

supplier park that Ford has attracted to its plant near Valencia in order to back up the production of the Ka, a small car launched there last year on the back of a \$201m

The supplier park, occupied by 13 Spanish sub-as-sembly end component manufacturers, is said to be the last word in "Jean manufacturing" systems. The park delivers parts direct to the Ka production line in the Ford plant by way of overhead conveyor belts.

Ford calls this system Direct Automatic Delivery, and claims that it represents a significant advance on the "just in time" delivery concept developed in Japan because it totally intergrates the supplier park to the manufacturing process, The pioneering move at

the Ford plant underlines the adaptability of the domestic industry. As long as Spain's manufacturers are able to demonstrate competitivs responses along the lines of the US producer, they will be able to meet the

#### Success brings its own worries

State incentives help to make Portugal an attractive proposition, says Peter Wise

gained considerable weight in the Portuguese economy over the past decade, modernising industry and creating jobs but also raising concerns over the country's dependence on a sector that is highly sensitive to eco-

The automobile sector accounts for more than 15 per cent of Portugal's total exports and 18 per cent of its exports to the rest of Europe. in 10 years, the annual turnover has grown from \$250m to \$3.2bn and the number of cars assembled has risen from 85,000 in 1985 to more than 160,000 in 1996.

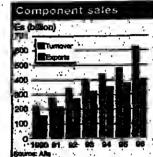
Leading manufacturers, including Ford, Volkswagen, Opel, Mitsuhishi, Citroën and Renault, have invested strongly in assembly and component plants in Portucreating close to 7,000 jobs. Parts production involves engines, transmission systems, brakes, sus-pension systems, body work. interiors, tyres, redios and other electric and electronic components.

By far the biggest plant, and the largest foreign investment in Portugal to date, is AutoEuropa. The \$2.54bn joint venture by Ford and Volkswagen, inaugurated in April 1995, produces the Ford Galaxy and the Volkswagen Sharan, multipurpose vehicles (MPVs) that aim to combine the comfort of a passenger car with the size of a mini-

AutoEuropa's plant at Palmela, south of Lisbon, has created 3,600 jobs in the factory itself and related component manufacturers, more than half the total employ-

Car assembly and bile sector. The plant was component manufacture has designed with a capacity of 180,000 vehicles a year, and at current levels of production - almost 120,000 vehicles in 1996 - alone accounts for about 2.7 per cent of Portugal's annual gross domestic product.

An important positive effect of automobile sector investment has been the upgrading of Portuguesa industry in terms of technological capacity and workforce skills. In AutoEuropa's body shop, for example, 173 robots apply 60 per cent of 4,600 welding spots.



Big antomobile investors have been attracted to Portugal by a high level of government incentives, but also by the learning capacity and motivation of workers and their low strike record. "Portugal proved to be an excellent choice for locating our AutoEuropa assembly plant," says Mr Albert Cas-pers, chairman of Ford Europe. "The national and local governments worked well with us in the development phases, and the quality and enthusiasm of the workforce have been outstand-

Before the launch of AntoEuropa, Ford Automo-

opened a plant in Palmels in 1993, originally intended to produce about 3,3000 car stereo systems a day. The factory now exports more than 6,500 systems a day as well as dedicating 40 per cent of production to dashboard consoles, airbag modules and other components, using pp predicts a technologically advanced production system requires a high level of technical skill form its 1,600 employees. onger growt

est two year

Citroen Lusitana, the Portuguese subsidiary of tha French carmaker, has invested Es2bn to donble production at its Mangualde plant in northern Portugal to 120 Saxo cars a day, doubling its workforce to 661 employees. The plant now plans to export 50 per cent of production that was previ-ously all sold in Portugal. Sales reached about Es14.5bn in 1996, Es10hn more than when Citroen began assembling cars in Portugal in 1984. Citroën's production line in Portugal has so far turned out 22 different models, an average of one new model a year.

A negative dimension to the strong growth of tha automobile industry in Portugal is the economy's increasing reliance on the sector for jobs and growth. The risk was highlighted by the French and Spanish truck drivers' road and border blockades in March that forced temporary shutdowns or production cutbacks at all Portugal's main car plants with costly consequences for company balance sheets and Portuguese export growth.

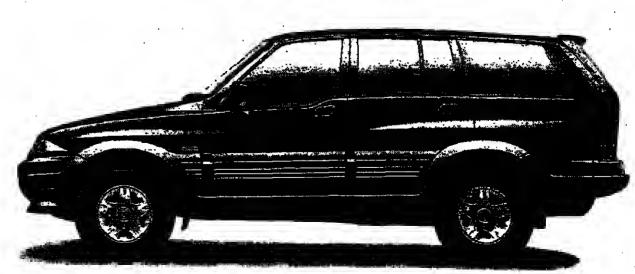
The Socialist government has also stepped in to prevent the threatened closure of Renault's car assembly plant in Portugal that would have caused the loss of 760 jobs. The government has acquired 70 per cent of Renault's holding in the plant, which it plans to modernise and sell to another internament in Portugal's automo- tive Components Division tional car manufacturer,

## Should the nner calm of the 4x4 Musso offered on prescription?

If road rage is triggered by an invasion of personal space then surely the capacious 4x4 Musso should be prescribed on the NHS as a cure for the angst.

There's more head room, more knee room and 'luggage space defeats all corners' reports 'What Car?' Space to stretch out, leaving occupants with nothing to get uptight about. Tranquillity further assured by anxiety-free Mercedes-Benz designed 2.9 diesel or 3.2 220ps petrol power, a 3 year/60,000 mile\* warranty and 3 years free home and roadside assistance.

Off road rage is also effectively treated. Selectable 2WD/4WD and permanent 4WD models affirm you keep a grip when the going gets tough. But what price is all this inner calm? From just £16,610 so you needn't go purple at prescription charges either.



CALL 0990 100571 FOR YOUR NEAREST DISPENSARY



